

University of Patanjali, Haridwar
Syllabus
B.A. With Yoga Science



Year - 2019 -2020

Revised syllabus

University of Patanjali
Uttarakhand, Haridwar
Syllabus of B.A with Yoga Science

Date: 25.05.2019

NAME of PROGRAM: B.A WITH YOGA SCIENCE

Preamble

The tradition of Yoga has always been passed on individually from teacher to student through oral teaching and practical demonstration. The formal techniques that are now known as Yoga are, therefore, based on the collective experiences of many individuals over many thousands of years. The particular manner in which the techniques are taught and practiced today depends on the approach passed down in the line of teachers supporting the individual practitioner. Yoga is essentially a spiritual discipline based on an extremely subtle science, which focuses on establishing harmony between mind, body; thought and action; restraint and fulfilment; harmony between man and nature and a holistic approach to health and wellbeing.

Yoga is not about exercise but to discover the sense of oneness with ourselves, the world and Nature. It is an art and science for healthy living. The word "Yoga" is derived from the Sanskrit root 'yuj' meaning "to join", "to yoke" or "to unite". Therefore, the aim of Yoga is to unite the individual consciousness with the supreme consciousness.

Yoga is a science and art of living; also it is a body of techniques that lead us to consciously connect with ourselves and with life, the experience of Yoga. As Yoga is an art and science, there is no dogma or belief system attached to it. Yoga tells us to do a certain practice and feel their effects following the practice, e.g. if we breath slowly in a relaxed manner we will slow our heart rate; if we focus the mind we will develop mental peace and deep insight.

In addition to this, Yoga is becoming popular day by day and has become a wave which is sweeping across the globe. In this course we introduce Yoga as a science of **Holistic Living** and not merely as Yoga postures. During the course the student is taught the concepts of Yoga for the treatment and prevention of various psychosomatic ailments. This course looks at training the enthusiasts to become Yoga therapist so that they could teach Yoga under the supervision of a doctor for health and healing.

I. Title of the Programme

The programme shall be called "**BA WITH YOGA SCIENCE**"

II. BA with yoga Science Course Suitability.

- Students must have great speaking and communication skills, as well as motivating abilities.

- Students who want to enhance their personal practice, teach yoga, or incorporate yogic practices into their existing work are ideal candidates.

III. How is the BA with yoga Science Course Beneficial?

- The Bachelor of Arts in Yoga program prepares them to work as Yoga Therapy Instructors as paramedical personnel in hospitals and nursing homes to introduce IAYT under the supervision of doctors, and participants run their own Yoga Centres. They also work as therapists at Naturopathy hospitals, health clubs, and other facilities.
- Students who complete this course have the option of pursuing a Master's Degree in the field.
- They can also work as Yoga instructors at Yogpeeths.

IV. BA with yoga Science Employment Areas

- Educational Institutes
- Housing Societies
- Hotels and Restaurants
- Resorts
- Spa & Health Clubs
- Yoga Centres

V. BA with yoga Science Job Types

- Assistant Ayurveda Doctor
- Clinical Psychologist
- Research Officer
- Trainer / Instructor
- Therapist & Naturopath
- YOGA Therapist
- Yoga Teacher / Yoga Instructor

Program Educational outcomes (PEOs)

- **PEO1-** The programme will give access to the students about traditional indict sciences through memorization of yoga texts.
- **PEO2-** The programme will caters the students with various yogic practices and their scientific methods.
- **PEO3-** The programme extends its arms for the experience and substantial changes in the internal environment in the body, mind and emotions in the students.
- **PEO4-** It would develop the insight among students about identifying the problem at large and utilize the gained strata about the yoga therapy in the paradigm of health and excellence.
- **PEO5-** The programme would enhance the students' ability to create specific yoga module according to the need VII.

Program specific outcomes (PSO)

- **PSO1:** Students will have knowledge of improving the health of mind and body, basic knowledge of yoga on physical and mental level.
- **PSO2:** Students will have knowledge of classical and theoretical foundation of the field of yoga therapy.
- **PSO3:** Students can conduct yoga class on general level. Eligible for the post of yoga teacher or yoga instructor.
- **PSO4:** Spiritually becomes strong and solving problems of stress and strain leading to various diseases.
- **PSO5:** Complete knowledge of yoga on physical. mental. intellectual, emotional and spiritual way. Student will learn sadhanas and yogic concepts in Upanishads.
- **PSO6:** They will be able to get the knowledge about human anatomy and physiology, management for diseases.
- **PSO7:** Students will be able to work towards teaching methodology and realization of health for all, as a national goal through yoga.
- **PSO8:** Students will be able to demonstrate empathy and humane approach towards patients and their families and exhibit interpersonal behaviour in accordance with the scientific norms and expectations.
- **PSO9:** Students will be aware and updated with the research advances, various tools and developments in the field of yoga. Students will become eligible to do research on national and international level.
- **PSO10:** Students will gain better understanding of ethical, social issues and human values.

VI. Advanced Courses in BA Yoga

- MA Yoga
- Ph.D. (Yoga)

VII. Duration

The minimum duration of the programme will be three years (6 semesters) and the maximum duration will be six years.

VIII. Eligibility

The candidate should have completed 12th Standard with any discipline from a recognized board or equivalent.

Scheme of Teaching & Examination

S.N.	Subject Code	Subject Title	Periods per week			Evaluation Scheme				Subject Total
						Seasonal			SEE	
			L	T	P	Credit	CT	TA		
I Year										

Semester I										
1	BA 101	Introduction Of Yoga	3	1	0	4	20	10	70	100
2	BA 102	Introduction Of Hatha Yoga	3	1	0	4	20	10	70	100
3	B.A. 103	PSYCHOLOGICAL PROCESSES – I	3	1	0	4	20	10	70	100
4	B.A. 104	Psychology– I	3	1	0	4	20	10	70	100
5	B.A. 105	Tourism Concepts and Principals	3	1	0	4	20	10	70	100
6	B.A. 106	Cultural Tourism Resources	3	1	0	4	20	10	70	100
7	BA 107	Yoga Practicum	0	0	8	4	20	10	70	100
8	B.A. 108	PSYCHOLOGY PRACTICALS	0	0	8	4	20	10	70	100
9	B.A. 111	व्याकरणम्	3	1	0	4	20	10	70	100
10	B.A. 112	साहित्यं धर्मशास्त्रं च	3	1	0	4	20	10	70	100
11	BA 113	Basics Of Sanskritam I	1	1	0	Non Credit	10	5	35	50
12	BA CE 01	Communicative EnglishI	3	1	0	4	20	10	70	100
							Total			900/800
Semester II										
1	BA 201	Indian Philosophy And Culture	3	1	0	4	20	10	70	100
2	BA 202	Introduction To Shrimad Bhagavad Gita	3	1	0	4	20	10	70	100

3	B.A. 203	BASIC PSYCHOLOGICAL PROCESSES-II	3	1	0	4	20	10	70	100
4	B.A. 204	SOCIAL PSYCHOLOGY II	3	1	0	4	20	10	70	100
5	B.A. 205	Transport in Travel &Tourism	3	1	0	4	20	10	70	100
6	B.A. 206	Geography for Tourism	3	1	0	4	20	10	70	100
7	BA 207	Yoga Practicum	0	0	8	4	20	10	70	100
8	B.A. 208	PSYCHOLOGY PRACTICALS	0	0	8	4	20	10	70	100
9	B.A. 212	साहित्यं धर्मशास्त्रं च	3	1	0	4	20	10	70	100
10	BA 213	Basics Of Sanskritam II	1	1	0	Non Credit	10	5	35	50
11	BA CE 02	Communicative EnglishII	3	1	0	4	20	10	70	100
12			0	0	8	4	20	10	70	100
							Total			900/800

II Year										
Semester III										
1	BA 301	Patanjal Yogsutra	3	1	0	4	20	10	70	100
2	BA 302	Human Biology I	3	1	0	4	20	10	70	100
3	B.A. 303	System and Schools of Psychology-I	0	0	8	4	20	10	70	100
4	B.A. 304	Psychological Statistics	3	1	0	4	20	10	70	100

5	BA-305	Tourism Policy and Planning	3	1	0	4	20	10	70	100
6	B.A. 306	Travel Agency and Tour Operations Business	3	1	0	4	20	10	70	100
7	BA 307	Yoga Practicum	0	0	8	4	20	10	70	100
8	B.A. 308	Psychology Practical	0	0	8	4	20	10	70	100
9	B.A. 311	व्याकरणम्	3	1	0	4	20	10	70	100
10	B.A. 312	साहित्यं धर्मशास्त्रं च	3	1	0	4	20	10	70	100
							Total			900/800
Semester IV										
1	BA 401	Human Biology II	3	1	0	4	20	10	70	100
2	BA 402	Introduction To Ayurveda & Swasthavritta	3	1	0	4	20	10	70	100
3	B.A. 403	SYSTEM AND SCHOOLS OF PSYCHOLOGY-II	3	1	0	4	20	10	70	100
4	B.A. 404	SOCIAL RESEARCH	3	1	0	4	20	10	70	100
5	B.A. 405	Destination Interpretation-India	3	1	0	4	20	10	70	100
6	B.A. 406	Hospitality Management	3	1	0	4	20	10	70	100
7	BA 407	Yoga Practicum	0	0	8	4	20	10	70	100
8	B.A. 408	Practicals	0	0	8	4	20	10	70	100
9	B.A. 411	व्याकरणम्	3	1	0	4	20	10	70	100
10	B.A. 412	साहित्यम्	3	1	0	4	20	10	70	100

								Total		900/800
III Year										
Semester V										
1	BA 501	Research and Teaching Methods in Yoga	3	1	0	4	20	10	70	100
2	BA 502	Introduction To Upanishad	3	1	0	4	20	10	70	100
3	B.A. 503	Clinical Psychology-I	3	1	0	4	20	10	70	100
4	B.A. 504	Psychology of Personality	3	1	0	4	20	10	70	100
5	B.A. 505	Ancient Indian Art & Architecture	3	1	0	4	20	10	70	100
6	B.A.- 506	Travel Formalities & Facilitation	3	1	0	4	20	10	70	100
7	BA 507	Yoga Practicum	0	0	8	4	20	10	70	100
8	B.A. 508	Practical's	0	0	8	4	20	10	70	100
9	B.A. 511	व्याकरणम्	3	1	0	4	20	10	70	100
10	B.A. 512	साहित्यम्	3	1	0	4	20	10	70	100
								Total		900/800
Semester VI										
1	BA 601	Yoga Therapy	3	1	0	4	20	10	70	100
2	BA 602	Introduction To Naturopathy & Alternative Therapy	3	1	0	4	20	10	70	100
3	B.A. 603	Clinical Psychology-II	3	1	0	4	20	10	70	100

4	B.A. 604	Principles and Applications of Oounseling	3	1	0	4	20	10	70	100
5	B.A.605	Business Communication	3	1	0	4	20	10	70	100
6	B.A. 606	Educational Tour	3	1	0	4	20	10	70	100
7	B.A. 607	Yoga Practicum	0	0	8	4	20	10	70	100
8	B.A. 608	Practical	0	0	8	4	20	10	70	100
9	B.A. 611	व्याकरणम्	3	1	0	4	20	10	70	100
10	B.A. 612	साहित्यम्	3	1	0	4	20	10	70	100
11	BA- EVN	Introduction to Environment	2	1	0	0	0	0	100	100
							Total		900/800	

L - Lecture, T-Tutorial, P-Practical (practice/ field), CT- Cumulative Tests,

TA - Teachers Assessment, SEE - Semester Examination

University of Patanjali, Haridwar
Paper Name: Introduction of Yoga
Paper Code: B.A. 101

Final Exam (SEE)-70 Marks
Internal Assessment (CT+TA)-30Marks

Objectives:

- The subject entitled 'Foundation of Yoga' has the following objectives:
- Students will have an understanding about origin, history and development of Yoga.
- They will have an idea about the insights of different Yoga streams.
- Introduction about Yoga according to various Yogic texts, eminent Yogis.
- Quote references of each practice as per traditional text

Course outcomes

On completion of this course, the students will have:

CO1: critical understanding of the Evolution of Yoga based on the classical texts.

CO2: knowledge of the concepts of Janna, Bhakti and karma Yoga.

CO3: understanding of different Schools of Yoga.

Unit-1: - General Introduction of Yoga (10 hours):

Origin and Meaning of the Word Yoga, Definitions of Yoga (Darshan, Upanishads, Bhagavad Gita) And Importance, Tradition and History of Yoga - From Vedas to Yogirishi Swami Ramdev (Vedic Period, Darshan Period, Tika Period, Bhakti Yoga and Hatha Yoga Period, Modern Period)

Unit-2: Form of Yoga in Various Scriptures (20 hours):

Vedas - Yoga Related Mantras

Upanishad- Yoga Elements in Kathopanishad, Shvetashvatropanishad and Major Yogopanishad

Shrimad Bhagvadgita - Jnana, Karma, Bhakti, Dhyana Yoga

Jain-Triratna, Panchamahavrat, And Tapa and Dharma

Buddhist - Ashtanga Marg, Anapan, Four Meditations, Brahmavihar

Aryurveda - Yoga Elements in Charaka Samhita (Mumukshu Udayan-Charaka Shaarir5.12), Aachar Rasayana (Charaka Samhita –Chikitsa Sthan 1.4.30-35)

Prescribed Text Book

Unit-3: - Basic Requirements of Yoga Practice (5 Hours):

Suitable Place for Yoga Practice, Time (Season-Time), Diet, Sadhak & Badhak Elements in Yoga Practice.

Unit-4: - Different Methods of Yoga (10 Hours):

Jnana Yoga, Karmayoga, Bhakti Yoga, Hatha Yoga, Raja Yoga, Mantrayoga.

Unit 5 - Life Character of Major Yogis (15 hours):

Maharishi Patanjali, Maharishi Vyas, Maharishi Kapil Muni, Adi Shankaracharya, Guru Gorakshanath, Maharishi Dayanand Saraswati, Swami Vivekananda, Maharishi Arvind, Maharishi Raman, Yogrishi Swami Ramdev

Prescribed Text Book

1. उपनिषद का संदेश स्वामी रामदेव दिव्ययोग प्रकाशित, पतजलि योगपीठ, हरिद्वार।
2. दर्शन प्रवेश दिव्य योग प्रकाशि, पतजलि योगपीठ, हरिद्वार।
3. योग विश्वकोष- आचार्य बालकृष्ण, दिव्य योग प्रकाशित पतजलि योगपीठ, हरिद्वार।
4. कल्याण योगांक- गीता प्रेस, गोरखपुर।
5. कल्याण (योग तत्वांक) गीता प्रेस, गोरखपुर।
6. वेदों में योग विद्या- योगेन्द्र पुरुषार्थी ।
7. योग मनोविज्ञान- शान्ति प्रकाश आत्रेय ।
8. गोरखवाणी- पीताम्बर दास बरथवाल।

University of Patanjali, Haridwar
Paper Name: Introduction of Hatha Yoga
Paper Code: B.A. 102

Final Exam (SEE)-70 Marks
Internal Assessment (CT+TA)-30Marks

- Objectives:
- By introducing Hatha Yoga & its Texts, students shall be able to.
- Have an understanding about pre-requisites of Hatha Yoga.
- Have an understanding about the concept of Yoga in Hath Yogic texts.
- Have an understanding about concept and principles of Hath Yoga.
- Quote references of each practice as per traditional texts

Course outcomes:

On completion of this course, the students will have:

CO1: knowledge of various Traditional Hatha Yoga Texts.

CO2: understanding of the concept and practice of Shodhana Kriyas with specific principles.

CO3: Conceptual and practical understanding of Asana with its benefits and contra-indications.

CO4: Conceptual and practical understanding of Pranayama with its benefits and contraindications.

CO5: Conceptual and practical understanding of Mudra and Bandha.

CO6: understanding of Pratyahara, Dharana and Dhyana.

Unit 1: General Introduction to Hatha Yoga (10 Hours):

The Literal Meaning of Hatha Yoga, Definition, Tradition-History, Pathyapathya Instructions for Yoga Practice, Characteristics of Hatha Siddhi, Utility of Hatha Yoga. **Therapeutic Relevance of Hatha Yoga in The Present Age.**

Unit-2: Elementsof Hatha Yoga (According to Hatha Yogapradipika) - I (20 Hours):

Introduction to The Book Hatha Yoga Pradipika, According to Hatha Yoga Pradipika - Asana, Pranayama, Shatkarma (Dhoti, Basti, Neti, Nauli, Trataka and Kapalabhati) - Description.

Unit-3:

Elements of Hatha Yoga (According to Hatha Yoga Pradeepika) -II (8 Hours):

According to Hatha Yoga Pradipika - Description of Bandha, Mudra, Nadanusandhan, Kundalini.

Unit 4: -

Elements of Hatha Yoga (As Per Gherinda Samhit) - I (12 Hours):

Introduction to The Gherand Samhita Text, Classification, Method, Benefits and Precautions of the Shatkarmas Described in Gherand Samhita. The Method, Benefits and Precautions of Asanas Described in The Gherand Samhita.

Unit5: -

Elements of Hatha Yoga (As Per Gherand Samhita) - II (10 Hours):

The Method, Benefits and Precautions of Pranayama and Mudras Described in Gherand Samhita. Brief Introduction to Pratyahar, Meditation and Samadhi.

Prescribed text book

हठयोगप्रदीपिका (निर्धारित पाठयांश) कैवल्यधाम लोणावाला।

घेरण्ड संहिता कैवल्यधाम लोणावाला।

Supporting text book

योग साधना एवं योग चिकित्सा रहस्य-स्वामी रामदवेजी (दिव्य योग प्रकाशित, पतजलि योगपीठ)

Reference book

हठयोग प्रदीपिका : प्रकाशक कैवल्यधाम लोणावाला

घेरण्ड संहिता : प्रकाशक कैवल्यधाम लोणावाला

गोरक्ष संहिता : गोरक्षनाथ

भक्तिसागर : स्वामी चरणदास

बहिरंग योग : स्वामी योगेश्वरानंद

योगासन विज्ञान : स्वामी धीरेन्द्र ब्रह्मचारी

University of Patanjali, Haridwar
BASIC PSYCHOLOGICAL PROCESSES – I
PAPER CODE – B.A. 103

Max Marks: 70

Course Objectives:

- To familiarize students with the basic concepts of the Indian Psychology with an emphasis on application of Psychology in everyday life.
- To make students aware of the importance of higher Cognitive process in daily life.

Course Outcomes:

After the completion of this course students will be able to

- Gain extensive knowledge about different theories and principles of Cognition and Behaviour concerning the areas of Motivation, Emotion, Intelligence, Thinking, and Personality etc.
- Understand the measures involved in different aspects of human behaviour
- Develop ability to relate the psychological concepts to everyday life events

1. Introduction:

- A. Meaning and Definition and Psychological thought in some major **Eastern System: Bhagavad Gita and Buddhism**
- B. Science and spirituality (Avidya and Vidya)
- C. Goals and branches of Psychology, Approaches: Biological and Behavioral

2. Methods of Psychology:

- A. Experimental Method: Meaning, Merits and Demerits
- B. Observation: Meaning, Merits and Demerits
- C. Survey: Meaning, Merits and Demerits

3. Perception

- A. Meaning and factors influencing Perception
- B. Laws of Perceptual organization
- C. Perceptual constancy: shape and size

4. Learning:

- A. Meaning and definition of learning
- B. Methods of learning
- C. Transfer of learning

5. Phenomena of Conditioning:

- A. Meaning and components of classical conditioning
- B. Extinction: meaning and factors affecting extinction
- C. Spontaneous recovery, Generalization and Discrimination

Recommended Books:

1. Baron, R.A. (1995). Psychology: The essential sciences, New York; Allyn & Bacon.
2. Baron, R.A. (2001). Psychology: Fifth Edition. New York; Allyn & Bacon.
3. Zimbardo, P.O. & Weber, A.L. (1997). Psychology. New York, Harper Collins College.
4. Lefton, L.A. (1985). Psychology, Boston; Allyn & Baron
5. Morgan, C. T. (2004). Introduction to Psychology. McGraw Hill
6. Singh, A.K. (2009) Advanced General Psychology. Motilal Banarsidas.
7. Jain, S. (2014). *Introduction to Psychology*. ISBN-13: 9788127256432.

University of Patanjali, Haridwar
Social Psychology– I
Paper Code– B.A. 104

Max Marks: 70

Course Objectives:

- To enable students to appreciate how individual behavior is influenced by social and cultural contexts.
- To enable students to develop an understanding of functioning in different groups and organizations and to understand how social problems can be analyzed in terms of various social psychological theories.

Course Outcomes:

After the completion of this course, a student will be able to:

- Understand the historical and scientific origin and development of social psychology in the western• and Indian context.
- Describe the development of the self and the dynamics of interpersonal attraction, attitude, group behaviour, group morale processes, formation and change in a social context.

1. *Introduction:*

- A. Meaning and goals of Social Psychology
- B. History of Social Psychology
- C. Scope of Social Psychology

2. *Attitudes:*

- A. Nature and Components of Attitude
- B. Formation and change in Attitude
- C. Measurement of Attitudes

3. *Group Behavior:*

- A. Meaning and definition of a Group
- B. Social facilitation
- C. Social Loafing

4. *Group Morale:*

- A. Meaning and definition of group Morale

- B. Criteria of High and Low Group Morale
- C. Determinants of Group Morale and Methods of Improving Group Morale

5. ***Leadership:***

- A. Meaning, definition and nature
- B. Personality Traits of a Leader
- C. Theories of Leadership: Trait Theory, Situational Theory, Fiedler's Contingency Theory

Recommended Books:

1. Baron, R.A. & Byrne, D (1998). Social Psychology: Theories, research and application. New York: Me Graw Hill.
2. Semin, G.R. & Fiedler, K, (Eds.) (1996). Applied Social Psychology, London: Sage.
3. Suleiman, M. (2009). Ucchar Samaj Manovigyan, New Delhi: MotilalBanarasi Das.
4. Singh, R.N. (2001). Modern Social Psychology. Agra: Vinod PustakMandir.

University of Patanjali, Haridwar
Paper Name-Tourism Concepts and Principals
Paper Code-B.A. 105

Objective: This will be an introductory module giving the basis of tourism studies. This will give an overview of tourism industry and various organizations.

Unit-I: Understanding Tourism: -

Tours, tourists, visitors, excursionists, travellers, resources, attractive, Tourism product concept. Tourism: Meaning, nature and scope, Tourism: Types, elements and components, Historical development of Tourism-Travel from ancient's time and in the middle age- the grand tour- Travel and tourism in the 19th century and after independence.

Unit-II: Determinants and motivators: -

Determinants and motivations in tourism, factors stimulating in the growth of tourism, (determinants) why the people wish to travel, (motivators) and influences of supply.

Unit- III: Major Tourism Services: -

Transportation: Types and relevance in tourism

Accommodation: Types and relevance in tourism

Travel Agencies and Tour-Operators: Overview and relevance in tourism

Unit-IV: The tourist Industry: -

Definition, characteristics of tourism product & services, kind of goods and services, sector of the tourism Industry, illustrative examples and tourism industry in relation to the tourism system.

Unit-V: Tourism Organization: -

WTO / UNWTO, PATA, IATA, ITDC etc.

References: -

- Bhatia AK – Tourism Development Principles and practices sterline publication Ltd. 1995.
 - Burkat and Madlik- Tourism Past Present and Future, Heinmenn EIBS 1981
 - Cooper Flacher et al- Tourism Principles and practices Pitman 1993.
 - Mill, R.C., (1990), Tourism: The International Business, Pretience Hall, New Jersey.
- Mill and Morrison, (1992), The Tourism System: An Introductory Text, Prentice Hall.

University of Patanjali, Haridwar
Paper Name-Cultural Tourism Resources
Paper Code-B.A. 106

Objective:

This model gives information of countries Tourist places of India importance and it helps students to know the background elements of Cultural Tourism Resources.

Unit-I: Hindu Resources: -

Char Dham Yatra of Uttarakhand (Badrinath, Kedarnath, Gangotari, Yamunotari), Char Dham Yatra of India (Badrinath, Rameshwaram, Dwarika & Puri), 12 Jyotrilingas.

Unit-II: Buddhist Resources: -

Bodhi Gaya, Nalanda, Sarnath, Kushinagar, Sravasti, Vaishali, Sanchi, Ajanta, Ellora.

Unit-III: Islamic Resources: -

Agra, Fatehpur Sikri, Delhi, Hyderabad, Lucknow.

Unit-IV: Jain Religious Cultural Resources: -

Gujarat, Rajasthan, Karnataka, Bihar and Madhya Pradesh.

Unit-V: Sikh Cultural Resources: -

Punjab, Bihar, Maharashtra, Uttarakhand.

Unit-VI: Socio Cultural Resources: -

Major fairs & festivals: Durga Puja, Chhath Puja, Vaishno Devi Yatra, Kailash Mansarovar Yatra.

Museum and Art Galleries: -

National Museum New Delhi, Indian Museum Kolkata, Prince of Wales Museum Mumbai.

References: -

- Indian Art and Architecture- Purse Brown.
- Temples in India- S.K. Saraswati.
- Buddhist Monuments- Delvlia Mitra.
- Gupta SP, Lal, K, Bhattacharya, M. Cultural Tourism in India (DK Print 2002)
- Dixit, M and Sheela, C. Tourism Products (New Royal Book, 2001)
- Websites of different destinations.

University of Patanjali, Haridwar
Paper Name- Yoga Practicum
Paper Code- B.A. 107

Final Exam (SEE)-70
Internal Assessment (CT+TA)-30

Objectives:

- Following the completion of the course, students shall be able to:
- Understand the benefits, procedure and contraindications of all practices.
- Demonstrate each practice with confidence and skill.
- Explain the procedure and subtle points involved.

Course outcomes

On completion of this course, the students will be able to:

CO1: develop understanding of different yogic techniques.

CO2: attain perfection to perform different yogic practices.

CO3: perform practically the Shatkarma.

CO4: develop skill to conduct practical sessions.

EIGHT BAITHAK BY YOGRISHI SWAMI RAMDEV JI

Ardh baithak, Purna baithak, Rammurti baithak, Pahalwani baithak-I, Pahalwani baithak-II,
Hanuman baithak -I, Hanuman baithak-II, Hanuman baithak --III,

TWELVE DAND BY YOGRISHI SWAMI RAMDEV JI

Simple Dand, Rammurti Dand, Vakshvikasak Dand, Hanuman Dand, Vrishchik
Dand-I, Vrishchik Dand-II, Parshvadand, Chakradand, Palatdand, Sherdand,
Sarpdand, Mishradand (mixed Dand)

SURYA NAMASKARA with mantra.

YOGASANA (SUPINE LYING POSTURES)

Navasana, Pavanamuktasana, Utthana-padasana, Padavrittasana, Chakrikasana, Chakkichalana,
Ardha Halasana, Halasana, Setubandhasana, Sarvangasana, Matsyasana, Chakrasana, Shavasana.

PRANAYAMA

Nadi Shodhana (Technique 1: Same Nostril Breathing), Nadi Shodhana (Technique 2: Alternate Nostril Breathing), Nadi Shodhana (Technique 3: Alternate Nostril Breathing + Antar kumbhak); Nadi Shodhana (Puraka + Antar Kumbhak + Rechaka + Bahya Kumbhak) (1:4:2:2);

MUDRA

Hasta Mudra: Chin, Jnana, Hridaya, Bhairav, Yoni, Pran, Apan, Apanvayu, Shankh, Kamajayi

SHATKARMAS

Neti (Jalneti, Rubber Neti)

RECITATION OF HYMNS

Recitation of Shanti Mantras; Recitation of Pranava Japa and Soham Japa

CONTINUOUS EVALUATION BY THE TEACHERS

TEXT BOOKS

1. Acharya Balkrishna: Dainik Yogabhyasakram, Divyayog Prakashan, Haridwar, 2015.
2. Yogrishi Swami Randev Ji: Dand-baithak, 2015.
3. Swami Dharendra Bhrahmachari: Yogasana Vijnana, Dharendra Yoga Publications, NewDelhi.
4. Swami Kuvalyananda: Asana Kaivalyadhama, Lonavla

University of Patanjali, Haridwar
Paper Name- PSYCHOLOGY PRACTICALS
Paper Code- B.A. 108

Course Objectives:

- To provide scientific and applied knowledge about psychological tests
- To apply the principles of psychology in day-to-day life for a better understanding of themselves and others.

Course Outcomes:

After the completion of this course, a student will be able to

- Engage in innovative and integrated thinking and problem solving.
- Engage in active and meaningful discussion/dialogue on psychological topics

1. Mirror Drawing Apparatus
2. Maze Learning Apparatus
3. Attitude Scale
4. Leader Preference Scale
5. Frustration Test

- ❖ The department has a right to change the practical depending on the availability of the apparatus, course content and recent developments.

Division of Marks:

Conduction of 01 Practical	:	25 Marks
Viva Voce	:	45 Marks
Practical Record Book	:	20 Marks
Internal Viva-Voce	:	10 Marks
<hr/>		
Total	:	100 Marks
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Note: Any four practical shall be conducted/administered by each student. One practical will be given to each student in a practical examination. The marks shall be awarded jointly by internal and external examiners. However, HOD will act as coordinator of the examination.

पतञ्जलिविश्वविद्यालयः, हरिद्वारम्

BA- प्रथमवर्षः (प्रथमसत्रम्)

Paper code-111

संस्कृतम्

पूर्णाङ्काः - १००

आन्तरिकाङ्काः - ३०

बाह्याङ्काः - ७०

प्रथमपत्रम् - व्याकरणम्

उद्देश्य -

- १) विद्यार्थियों का व्याकरण विषयक संज्ञाओं का बाध प्रदान कराना
- २) विद्यार्थियों का वर्णों के उच्चारणस्थान व प्रयत्न सम्बंधी बाध प्रदान करना
- ३) विविध अजंत शब्दरूपों के स्मरण के द्वारा विद्यार्थियों का विभक्तियों व वचनों का परिचय कराना
- ४) धातुओं के स्मरण के द्वारा धातुओं के अर्थ व काल संबंधी ज्ञान से अनुवाद में दक्षता प्रदान कराना
- ५) संस्कृत शिक्षा के द्वारा अनुवाद में दक्षता से संभाषण कौशल विकसित कराना

परिणाम -

- १) विद्यार्थियों का व्याकरण विषयक संज्ञाओं का अवगमन हाथ से व्याकरण अध्ययन में सरलता हासिल है
- २) उच्चारण स्थान व प्रयत्न के ज्ञान से उच्चारण में स्पष्टता आती है
- ३) विभक्तियों वा वचनों के माध्यम से संस्कृत भाषा में शुद्धता आती है
- ४) धात्वर्थों वा काल संबंधी ज्ञान से अनुवाद में दक्षता आती है
- ५) संस्कृत शिक्षा के द्वारा अनुवाद में दक्षता से संभाषण कौशल विकसित हासिल है

इकाई (१) संज्ञाप्रकरणम् (क)

प्रत्याहारसूत्राणि, प्रत्याहार-परिचयः, संज्ञा-सूत्राणि

इकाई (२) संज्ञाप्रकरणम् (ख)

वर्णानामुच्चारण-स्थानपरिचयः, बाह्याभ्यान्तर-प्रयत्नपरिचयः

इकाई (३) अजन्तप्रकरणम् (शब्दरूपमात्रम्)

अजन्तपुल्लिंगः- राम, सर्व, हरि, गुरु, पितृ, गणै, ग्लौ

- अजन्तस्त्रीलिङ्गः- रमा, सर्व, नदी, मति, वधू, मातृ, द्यौ, नौ
अजन्तनपुंसकम्- गृह, सर्व, दधि, मधु
- इकाई (४) धातुरूपमात्रम् (लट्-लोट्-लङ्-विधिलिङ्-लृट्-लकारेषु)
भू, पद्, गम् (गच्छ), दृश्, स्था, पा, सद्, जि, सेव्, वस्
- इकाई (५) संस्कृतशिक्षा (पञ्चभागाः)
शब्दार्थः, नियमाः, अनुवादः, शुद्धिकरणम्, वाक्यपूर्तिः

निर्धारितग्रन्थाः

- १) लघुसिद्धान्तकौमुदी - सुरेन्द्रदेवस्नातकः, चौखम्भा ओरियन्त्यालिया, दिल्ली।
- २) आपिशलि शिक्षावचन - आपिशलि (सिद्धहेमशब्दानुशासनम् बृहदृतिः)
- ३) निर्णयसागरीया - शब्दरूपावली,.....
- ४) निर्णयसागरीया - धातुरूपावली,.....
- ५) संस्कृतशिक्षा - डॉ० कपिलदेवद्विवेदी, विश्वविद्यालयप्रकाशनवाराणसी।

पतञ्जलिविश्वविद्यालयः, हरिद्वारम्

BA – प्रथमवर्षः (प्रथमसत्रम्)

संस्कृतम् Paper code-112

पूर्णाङ्काः – १००
आन्तरिकाङ्काः – ३०
बाह्याङ्काः – ७०

द्वितीयपत्रम् – साहित्यं धर्मशास्त्रं च

उद्देश्य -

- १) व्यवहारभानु के अध्ययन के द्वारा विद्यार्थियों में सद्व्यवहार सदाचरण व संस्कार विकसित कराना
- २) सत्यार्थ प्रकाश के ज्ञान से विद्यार्थियों में उत्तम विद्या, शिक्षा, गुण, कर्म और स्वभाव रूप आभूषणों को धारण कराना
- ३) पंचतंत्र की कथाओं के माध्यम से विद्यार्थियों को सदाचरण के लिए प्रेरित करना
- ४) इशोपनिषद् में सन्निहित ब्रह्म व कर्म विषयक ज्ञान के द्वारा विद्यार्थियों में निष्कामभाव व सेवाभाव उत्पन्न कराना
- ५) लक्षण व उदाहरण के माध्यम से विद्यार्थियों को छंदों का परिचय कराना

परिणाम -

- १) विद्यार्थियों में सच्चरित्र का विकास होता है
- २) उत्तम विद्या के द्वारा विद्यार्थी चरित्रवान संस्कारवान तथा यशस्वी होता है

- ३) प्रेरणादायक कथाओं से विद्यार्थी स्वकर्म व स्वधर्म में उत्साहपूर्वक वर्तता है
- ४) विद्यार्थियों में निष्कामभाव व सेवाभाव उत्पन्न होता है
- ५) लक्षण व उदाहरण के अवगमन से छंदों का समझने में निपुणता होती है

इकाई (१) व्यवहारभानुः

श्लोकस्मरणम्, श्लोकव्याख्या, निबन्धात्मकप्रश्नाः च

इकाई (१) सत्यार्थप्रकाशः - द्वितीय-तृतीयसमुल्लासः (पठनपाठनविधेः पूर्वम्)

श्लोक-मन्त्रव्याख्या, निबन्धात्मकप्रश्नाः

इकाई (३) पञ्चतन्त्रम् - काकालूकीयम् (१-५ कथापर्यन्तम्)

गद्य-पद्यव्याख्या, कथालेखनम्, निबन्धात्मकप्रश्नाः

इकाई (४) ईशाप्रनिषद्

मन्त्रव्याख्या, मन्त्रस्मरणम्, निबन्धात्मकप्रश्नाः

इकाई (५) छन्दःपरिचयः (लक्षण-उदाहरणम्)

अनुष्टुप्, वसन्ततिलका, उपजातिः, आर्या, ताष्टकम्, द्रुतविलम्बितम्, स्रग्विणो
शार्दूलविक्रीडितम्, शिखरिणो मालिनो- (वृत्तरत्नाकरानुसारेण)

निर्धारितग्रन्थाः -

- १) व्यवहारभानुः - महर्षिदयानन्दसरस्वतो आर्षसाहित्य प्रचार ट्रस्ट, ब्रजवासो आर्ट, नएडा
- २) सत्यार्थप्रकाशः - महर्षिदयानन्दसरस्वतो आर्षसाहित्य प्रचार ट्रस्ट, ब्रजवासो आर्ट, नएडा
- ३) पञ्चतन्त्रम् - विष्णुशर्मा (निषिद्धाश्लेषांशवर्जितम्) चौखम्भाप्रकाशन, वाराणसो
- ४) ईशाप्रनिषद् - गतो प्रेस, गखपुरम्
- ५) वृत्तरत्नाकरः - केदारभट्टः, चौखम्भाप्रकाशन, वाराणसो

University of Patanjali, Haridwar

Paper Name: Basics of Sanskritam (Non Credit)

Paper Code: B.A. 113

Final Exam (SEE)-35 Marks

Internal Assessment (CT+TA)-15Marks

Objectives:

- Following the completion of this course, students shall be able to
- Read and understand the colloquial words of Sanskrit.
- Communicate and comprehend Sanskrit to the best of their ability.
- Write in Sanskrit and have some idea about grammar.

Unit-1: संस्कृत भाषा परिचय (7)

संस्कृत भाषा परिचय, योग शास्त्रके अध्ययनमेंसंस्कृतकामहत्त्व और योगएवंसंस्कृतका अन्तः सम्बन्ध
माहेश्वरसूत्रासंस्कृतवर्णमाला, स्वर, व्यंजनवर्णज्ञानसहितरोमन लिपिर्लेखन एवंपठन, वर्णोंके उच्चारणस्थान
औरप्रयत्नज्ञान प्रत्याहारनिर्माणविधिएवंप्रत्याहारज्ञानाकारक. विभक्ति, सुप्औरतिप्रत्यय, लिङ्, वचन, पुरुष,
लकारएवंवाक्यागपरिचय संस्कृतसंख्याएं (एकसेसौतक)

Unit-2: शब्दरूप (8)

अजन्तशब्दरूप-राम, बालिका, पुस्तक, मुनि, रुचि, वारिशब्दों के रूपअर्थज्ञानसहित। अजन्तशब्दरूप नदी,
भानु, धेनु, मधु, पितृ, मातृशब्दोंकेरूपअर्थज्ञानसहित।सर्वनामशब्दरूप अस्मद, युष्मद, तत् (तीनोंलिगोंमें),
एतद् (तीनोंलिगोंमें), किम् (तीनोंलिगोंमें.) भवत् (तीनोंलिगोंमें) शब्दों के रूपअर्थज्ञानसहिता हलन्तशब्दरूप
भगवत्, नामन्, जगत्शब्दोंकेरूपअर्थज्ञानसहित।

Unit-3: धातुरूप (8)

भू, अस्, पठ्. कृ. लिख, नम्, दृश्धातुओंकेपांचलकारोंलट्, लुप्, लडलोप्, विधिलिङ्,
मेंरूपज्ञानएवंवाक्यनिर्माणअर्थज्ञानसहितावद्, गम्, स्था, पा, दा, शक, आप, प्रच्छधातुओंकेपांचलकारोंलट्,
लुट्, लङ्, लोट्, लिङ्गेरूपज्ञानएवंवाक्यनिर्माणअर्थज्ञानसहिताज्ञा, कथ्, चिन्त, ब्रू, श्रु, नी, याच्, खाद, शीङ्,
धातुओंकेपांचलकारोंलट्, लुप्, लङ्, लोप्, लिरूपज्ञानएवंवाक्यनिर्माणअर्थज्ञानसहित।

Unit-4: वाक्यनिर्माण (7)

प्रथमदीक्षाकेप्रथम, द्वितीयएवंतृतीय अध्यायसेवाक्यनिर्माणएवं अर्थज्ञानका अभ्यासा

TEXT BOOKS

द्विवेदीकपिलदेवःप्रारम्भिकरचनानुवादकौमुदी, विश्वविद्यालयप्रकाशन, वाराणसी 2011

द्विवेदीकपिलदेवःरचनानुवादकौमुदी, विश्वविद्यालयप्रकाशनवाराणसी2011

• द्विवेदीकपिलदेवः प्रौढरचनानुवादकौमुदी, विश्वविद्यालयप्रकाशन, वाराणसी 2007

University of Patanjali, Haridwar
Paper Name: Communicative English
Paper Code: B.A. CE 01

Final Exam (SEE)-70

Marks Internal Assessment (CT+TA)-30Marks

Objectives

Following the completion of this course, students shall be able to

- Communicate in English
- Develop reading and writing skills in English
- To communicate in English while Yoga teaching and training.

Course Outcomes

CO1: Students will demonstrate the capacity to write and speak clearly, read perceptively, and think critically;

CO2: Students will demonstrate understanding of historical traditions in British and American literature;

CO3: Students will demonstrate understanding of how written and spoken language expresses diverse cultural experiences; and

CO4: Students will demonstrate understanding of the functions and historical development of the English language.

CO5: Students will be able to speak fluently.

Unit 1- Communication [10 Hrs]

Writing Letters-Letter for Inquiry, Idioms and Phrases, Placing Order, Replacement Letter, Cancellation Letter, Complaint Lettered.

Unit 2-Drafting Advertisement [05 Hrs]

Classified Advertisement, Commercial Advertisement

Unit 3- Literature [10 Hrs]

Indian Traditional Knowledge On Environmental Conservation

An Article LightlyOfAsia - Gautama Buddha

Kafan-Prem Chand

Unit 4- Conducting Yoga Practical Class in English

Development of Skills to Enhance Ability of Conducting Yoga Class in English, Demonstration of Yoga Practices in English,

References

1. Ethan F. Becher. Mastering Communication at Work: How to Lead, Manage and Influence, 2009.
 2. Mathew Mckey, Martha Devis, Patrick: Messages: The Communication Skill Book, 2009
 3. Ps Perkins, Les Brown: The Art and Science of Communication, 2008
- Robin Quinn, Joe Kohl: Talk Like a Winner; 21 Simple Rules For Achieving Everyday Communication Success, 2008

University of Patanjali, Haridwar
Paper Name: Indian Philosophy and Culture
Paper Code: B.A. 201

Final Exam (SEE)-70

Internal Assessment 70 (CT+TA)-30

Objectives:

After completion of this paper:

- Students will have an understanding about various schools of Indian philosophy
- They will have an idea about the various features of traditional Indian culture.

Course outcomes:

On completion of this course, the students will have:

CO1: Critical understanding of The Astika-Nastika dichotomy in Indian Philosophy, the Upanisadic Philosophy

CO2: Understanding the basic theories of three domains of philosophy- Jnana mimamsa, Tatva mimamsa and Niti mimamsa.

CO3: Knowledge of the concepts of Shaddarshan.

CO4: Understanding of Indian scriptures.

Unit-1: - Introduction to Indian Philosophy (8 Hours):

Literal Meaning and Definition of Philosophy, Role of Philosophy in Human

Life, Characteristics of Indian Philosophy, **Bodies of Indian Philosophy: VedicNon-Vedic.** The Three Main Areas of Philosophy –Praman Mimamsa(Epistemology), Tattva Mimamsa (Meta Physics), Achar Mimamsa(Ethics).

(Prescribed Text Book - भारतीय दर्शन – आचार्य बलदेव उपाध्याय- चयनित पाठ्याशं)

UNIT-2: - Introduction to Six Schools of Vedic Philosophy (20 Hours):

General Introduction and Theory (Tattva Mimamsa & Ethics)

1. Nyaya Darshan
2. Vaisheshika Darshan
3. Samkhya Darshan
4. Yoga Darshan
5. Mimamsa Darshan
6. Vedanta Darshan

(Prescribed Text Book - दर्शन प्रवेश दिव्य योग प्रकाशि, पतजलि योगपीठ, हरिद्वार।

Unit-3: - Introduction to Jain, Buddhist, Charvak Philosophy (20 Hours):

General Introduction and Principles (Tattva Mimamsa & Ethics)

1. Jain Darshan
2. Buddhism
3. Charvak Darshan

(Prescribed Text Book

Unit-4: - Introduction to Culture (12 Hours):

Literal Meaning and Definition of Culture. Concept and Importance of Culture.

General Introduction to The Base Scriptures of Indian Culture - Vedas,

Upanishads, Manusmriti, Mahabharata, Ramayana, Gita. (Prescribed Text Book - वैदिक साहित्य-

डा० कपिलदेव द्विवेदी)

Unit-5: - Salient Features of Indian Culture - (10 Hours):

Purushartha Chaturthya, Ashram System, Varna System, Karma Principles,

Sixteen Rites, Pancha Mahayajna, Rinn- traya, Sah-astittva, Universal

Relationship

(Prescribed Text Book - धर्मादशासिकं नत- डा० रूपनकशोशास्त्री)

References / supporting books

1. भारतीय सस्कृति का इतिहास-डा० सत्येन्दु विद्यालकारं
2. वैदिक साहित्य एवं सस्कृति कपिल देव द्विवेदी
3. धर्म दर्शन सस्कृति- डा० रूपकिशोर शास्त्री
4. Teaching yourself philosophy: Indian Philosophy- Dr. R.P. Sharma
5. An outline of Indian Philosophy- M. Hiriyana

University of Patanjali, Haridwar

Paper Name: Introduction to Shrimad Bhagavad Gita

Paper Code: B.A. 202

• **Objectives:**

- Following the completion of this course, students shall be able to
- Understand the main teachings of Bhagvadgeeta
- Become familiar with the nature of yoga in various chapters of Bhagvad Geeta.
- Imbibe the essence of teachings of Bhagavad Geeta.

Course outcomes:

Following the completion of this course, students shall be able to-

CO1: understand the significance of Bhagavad Gita and its relevance

CO2: know the concept of Atman, Paramatman, Sthitaprajna.

CO3: have a deep understanding of Nishkama Karma and devotion in day to day life.

Unit 1: Shrimad Bhagwadgita Introduction (12 Hours):

General Introduction of the Bhagavad Gita, The Great Significance of The Bhagavad Gita and Various Scholars' Views in Relation to It, Synthesis of Yoga In The Bhagavad Gita, The Major Definitions of Yoga, The Nature of Yoga, Yoga Sadhana in The Bhagavad Gita, Relevance of The Bhagavad Gita in The Current Era.

Unit-2: Gyan Yoga –Atman, Prakriti & Parmatman (12 Hours):

Sankhya Yoga or Jnana Yoga (Chapter-2,3,4,5,6,13), The Form of the Soul (Chapter-2), The Form of the Supreme Soul (Purushottama), (Chapter-4,8,10,11,13,15), Form of Prakriti (Chapter-9,13,14).

Unit-3: Karma Yoga and Meditation Yoga (12 Hours):

Concepts Of Karmayoga (Chapter-2-6), Form Of Yajna , Yajnartha Karma, Nishkam Karma (Chapter-3,4), Lok Sangrah (Chapter-3), Jnana-Karma Coordination (Chapter-5), Forms Of Dhyana Yoga (Chapter-6).

Unit 4: Bhakti Yoga (12 Hours):

Concepts of Bhakti and Mahatmya (Chapters-7, 8, 9,11, 12), The Necessity Of Devotion in Divine Realization (Chapters-11, Verse-52-55), Types of Bhakti (Chapters-7,12) Characteristics of The Devotee (Chapter-12, Verse-13-20)

Unit 5: Personality, Diet and Trigun Concept (12 Hours):

Role of Diet in Yoga Practice (Chapter-6), Introduction to Trigunas (Chapter-14), Concept of Trigun-Based Personality (Chapter-17), Elements of Personality Development, Ideal Personality- Daivee Sampda (Chapter-16).

Prescribed Text Book -

1. श्रीमद्भगवद्गीता-गीतामृत-योगऋषिस्वामीरामदेवजी, ददव्यप्रकाशन, ँतजंलियोगपीठ

Supporting text book

श्रीमद्भगवद्गीता- गीतामत् - योग ऋषि स्वामी रामदेव जी, दिव्य प्रकाशन, ँतजंलि योगपीठ

Supporting text book

1. गीता रहस्य लोकमान्य (चयनित ँठयांश)
2. Shrimadbhagvadgeeta- Tattvavivechini-Jaidayal Goyandaka, Geeta Press Gorakhpur.

Paper-B.A. 203

Max Marks: 70

Time: 3 Hours

Course Objectives:

- To introduce students with the basic psychological processes and the studies relating to the factors which influence them.
- Develop ability to relate the psychological concepts to everyday life events

Course Outcomes:

- To apply the principles of psychology in day-to-day life for a better understanding of themselves and others. •
- To understand further the fundamental processes underlying human behavior such as learning, motivation, emotion, intelligence, personality and states of consciousness.

1. Memory and Forgetting

- A. Meaning, definitions and types of Memory
- B. Memory Process (Components): Encoding, storage & retrieval process
- C. Forgetting: Meaning and Definition, Factors affecting forgetting

2. Motivation:

- A. Concept of Motivation: Meaning, Definitions
- B. Motivational Cycle
- C. Types of Motivation: Physiological, Psychological & Social Motives

3. Emotion:

- A. Meaning and Definitions
- B. Bodily Changes in Emotion: Internal changes and External Changes
- C. Emotion Regulation

4. Intelligence:

- A. Concept: meaning and definition
- B. Types of Intelligence
- C. Theories of intelligence: Spearman, Thurston

5. Personality:

- A. Meaning and definitions
- B. Determinants: Biological, Psychosocial and Socio-cultural
- C. Projective test vs. Psychometric Inventory

Recommended Books:

1. Baron, R.A. (1995). Psychology: The essential sciences, New York; Allyn & Bacon.
2. Baron, R.A. (2001). Psychology: Fifth Edition. New York: Allyn & Bacon.
3. Zimbardo, P.O. & Weber, A.L. (1997). Psychology. New York: Harper Collins College.
4. Lefton, L.A. (1985). Psychology, Boston: Allyn & Baron.
5. Morgan, C. T. (2004). Introduction to Psychology. McGraw Hill.
6. Singh, A.K. (2009). Advanced General Psychology. New Delhi: Motilal Banarsidas.

Paper Code-B.A. 204

Max Marks: 70

Time: 3 Hours

Course Objectives:

- To enable students to appreciate how individual behavior is influenced by social and cultural contexts.
- To enable students to develop an understanding of functioning of different groups and organizations and to understand how social problems can be analyzed in terms of various social psychological theories.

1. Social Perception:

- A. Meaning and definition of Social Perception
- B. Communication and attribution in social Perception
- C. Determinants of person perception and difference between self-concept and self-esteem

2. Prosocial Behavior:

- A. Helping behavior and altruistic behavior: Nature and Characteristics
- B. Steps or stages of Pro-social behavior
- C. Determinants: Personal, Situational and Social

3. Aggression:

- A. Meaning and definition of Aggression
- B. Theoretical approaches to aggression: Social Learning Theory, Frustration-Aggression Theory
- C. Measures of Preventing and Reducing Aggression

4. Crowd:

- A. Meaning and Characteristics of Crowd
- B. Distinction between Crowd and group
- C. Classification of Crowd: Brown's Classification and Iofland's Classification

5. Prejudice

- A. Nature and Components of Prejudice
- B. Effects of Prejudice
- C. Methods of Reducing Prejudice

Course Outcomes:

- Describe the development of the self and the dynamics of interpersonal attraction, prosocial behaviour, aggression, prejudice and crowd in a social context.
- Comprehend the nature of scientific methods employed to study behavior in the social context.

Recommended Books:

1. Baron, R.A. & Byrne, D. (1998). Social Psychology: Theories, research and application. New York: Me Graw Hill
2. Semin, G.R. & Fiedler, K, (Eds.). (1996). Applied Social Psychology, London: Sage.
3. Suleiman, M. (2009). Uchtar Samaj Manovigyan. New Delhi: MotilalBanarasi Das.
4. Singh, R.N. (2001). Modern Social Psychology. Agra: Vinod PustakMandir.

University of Patanjali, Haridwar

Paper Name-Transport in Travel &Tourism

Paper Code- B.A. 205

Course Objectives:

Transport is a vital component of the travel and tourism industry. Thereby it becomes imperative for the students of tourism to learn about different modes of transportation in modern world in general, and in India, in particular. The course attempts to provide an insight into different types of transportation, the on-going charges, growth, present status, government policies, problems and management. Thus the course emphasizes on the knowledge of the 'Key' which opens vast venues of world's largest service sector, that is tourism.

Unit-I: Understanding Transport

Background of transport system, Importance of in Tourism, Patterns of demand for Tourism and Transportation.

Unit-II: Air Transport

Function of ICAO, DGCA, IATA, AAI, Evolution of Civil Aviation in India, A case study on Failure of Kingfisher Airlines and Air India.

Unit-III: Road Transport

Surface transport system, Type of Roads in India. Document connected with transport, road transport, RTO, Insurance Documents, Road Tax and Fitness Certificates, NHAI.

Unit-IV: Rail Transport

Rail Transport system, Major Railway system of world, Indian Railways, Tourist trains, viz Palace on wheels, Royal orient Facilities offered by Indian railways like Rail Yatri Niwas & Inrailpass.

Unit-V: Water Transport

Water transport system, Background of water transport system, Cruise ship, Canal boats, Ferries.

Suggested Books:

1. Ahmad Aizaz: 'General Geography of India, NCERT, New Delhi.
2. National Atlas of India, Govt. of India, Publication Calcutta.
3. Atlas of World Oxford.
4. Singh, R.L.(ed) India: A Regional Geography National Geographical Society of India (Varanasi 1989)
5. India year book, Publication Division, Govt. of India, New Delhi.
6. Aggarwal Surinder: 'Travel Agency Management', communication India, New Delhi.
7. Hannel Christine, Robert Harshman and Grahan Draper- Travel and Tourism: A world regional geography, John Wiley and Sons, New York
8. Hurst, Elist, 'Transportation Geography' McGraw Hill, New York
9. OAG Airlines time table
10. OAG Cruise lines time table Indian Railway Time table

University of Patanjali, Haridwar
Paper Name- Geography for Tourism

Paper Code-B.A. 206

Course Objectives:

This course explores the basic components of geography in relation with tourism.

Unit-I:

Importance of Geography in Tourism, Latitude, Longitude. Map- Meaning, definition, type of Maps. Use of Maps in Tourism.

Unit-II:

Elements of tourism, Itinerary planning, Factors affecting global and regional tourist movements.

Unit-III:

Time Zones, Time differences, GMT variations, concept of Elapsed time and Flying time. How Geography play the role of destination creation & promotion.

Unit - IV:

Case studies of selected Indian states like Rajasthan, Kerala Flood, Madhya Pradesh, Goa, Uttarakhand Flood, Himachal Pradesh.

Unit -V:

Tourism in selected countries like China, Thailand, Brazil, Newzealand & France.

Suggested Books:

- Geography of Tourism- H. Robinson.
- Geography of Tourism- B. Singh.
- Tourism system- Mill & Morrison.
- Tourism & Community of Approach.
- Hall, CM and Page, SJ. The Geography of Tourism and Recreation, Rutledge.
- Sinha. P.C. Tourism Geography, Anmol Publication.
- Dixit. M. Tourism Geography and Trends, Royal Publication.
- International Atlas, Penguin Publication and DK. Publication.

Objectives:

- Following the completion of the course, students shall be able to:
- State techniques, health benefits, applications, precautions and contraindications of undermentioned yogic practices; &
- To demonstrate and instruct undermentioned yogic practices.

Course outcomes

On completion of this course, the students will be able to:

CO1:develop understanding of different yogic techniques.

CO2:attain perfection to perform different yogic practices.

CO3:learn the practical interpretation of Shatkarma.

CO4:can develop the calibre to conduct practical sessions.

Yogasana

12 Steps of Yogic Jogging; And A Series of 12 Yogic Postures: Manduk Asana- Variations 1 & 2, Shashakasana, Bakasana, Gomukh Asana, Makarasana- Variations 1& 2, Bhujanga Asanavariations 1, 2 & 3, Shalabhasana- Variations 1, 2 & 3, Markatasana- Variations 1, 2 & 3, Pawanmuktasana- Variations 1, 2 & 3, Ardha Halasana, Padvritta Asana- Variations 1 & 2 And Dwichakrikasana- Variations 1 & 2; As Recommended by Swami Ramdev.

(Prone Lying Asanas)

Makarasana, Markatasana, Bhujangasana, Sarpasana, Shalabhasana, Dhanurasana, Purnadhanurasana.

Pranayama

Bhastrika, Kapalbhata, Bahya, Ujjyai, As Recommended by Swami Ramdev.

Shatkarma

Kapalbhata (Vatkram, Vyutkram) Nauli (Madhyama, Vama, Dakshina)

Mantra Ishwarstuti-Prarthnopasana:

Understanding, Recitation and Memorization.

Continuous Evaluation by The Teachers

TEXT BOOKS

1. Swami Ramdev ji: Vaidik Nitya Karma Vidhi, Divya Prakashan, Haridwar, 2010.
2. Swami Dharendra Bhrmhachari: Yogic Sukshma Vyayama, Dharendra Yoga

1. Publications, New Delhi, 1980
2. Yogrishi Swami Ramdev Ji: Pranayama Rahasya, Divya Prakashan, Haridwar, 2009
3. Yogrishi Swami Ramdev Ji: Vedic Nityakarma Vidhi, Divya Prakashan, Haridwar,
4. 2010
5. Basavaraddi, I.V. & others: SHATKARMA: A Comprehensive description about
6. Cleansing Process, MDNIY New Delhi, 2009
7. Dr. Nagendra H R: Pranayama, The Art & Science, Swami Vivekananda
YogaPrakashan, Bangalore, 2005. 7. Iyengar, B.K.S.: Light on Pranayama, Harper Collins,
Swami Vivekanand YogaPrakashan, 2012

University of Patanjali, Haridwar
Paper Name –PSYCHOLOGY PRACTICALS
Paper Code- B.A. 208

Course Objectives:

- To provide scientific and applied knowledge about psychological tests
- To apply the principles of psychology in day-to-day life for a better understanding of themselves and others.

Course Outcomes:

After the completion of this course, a student will be able to

- Engage in innovative and integrative thinking and problem solving.
- Engage in active and meaningful discussion/dialogue on psychological topics

1. Achievement Motivation Test
2. Zeigarnik Effect
3. Aggression Scale
4. Prejudice scale
5. Performance Test of Intelligence

- ❖ The department has a right to change the practical depending on the availability of the apparatus, course content and recent developments.

Division of Marks:

Conduction of 01 Practical	:	25 Marks
Viva Voce	:	45 Marks
Practical Record Book	:	20 Marks
Internal Viva-Voce	:	10 Marks
Total	:	100 Marks

Note:

Any four practicals shall be conducted/administered by each student. One practical will be given to each student in a practical examination. The marks shall be awarded jointly by internal and external examiners. However, HOD will act as coordinator of the examination.

पतञ्जलिविश्वविद्यालयः, हरिद्वारम्
BA – प्रथमवर्षः (द्वितीयसत्रम्)

संस्कृतम् Paper code- 211

पूर्णाङ्काः – १००

आन्तरिकाङ्काः – ३०

बाह्याङ्काः – ७०

प्रथमपत्रम् - व्याकरणम्

इकाई (१) अचसन्धिप्रकरणम् (केवलं सन्धिविधायकसूत्रमात्रम्)

सन्धि-विच्छेदकरणम्, सूत्रव्याख्या, सूत्रस्मरणम्

इकाई (२) हल्सन्धिप्रकरणम् (केवलं सन्धिविधायकसूत्रमात्रम्)

सन्धि-विच्छेदकरणम्, सूत्रव्याख्या, सूत्रस्मरणम्

इकाई (३) विसर्गसन्धिप्रकरणम् (केवलं सन्धिविधायकसूत्रमात्रम्)

सन्धि-विच्छेदकरणम्, सूत्रव्याख्या, सूत्रस्मरणम्

इकाई (४) हलन्तप्रकरणम् (शब्दरूपमात्रम्)

हलन्त- पुं., स्त्री., नपुं. – राजन्, विद्वस्, भगवत्, वाच्, दिक्, गिर्, करिण्, जगत्, पयस्, अहन्

सर्वनाम- पुं., स्त्री., नपुं. – किम्, इदम्, एतद्, तद्, यद्, अदस्, अस्मद्, युष्मद्

इकाई (५) प्रारम्भिकरचनानुवादकौमुदी

शब्दार्थः, नियमाः, अनुवादः, शुद्धीकरणम्, वाक्यपूर्तिः

निर्धारितग्रन्थाः –

- १) लघुसिद्धान्तकौमुदी – सुरेन्द्रदेवस्नातकः, चौखम्बा ओरियण्टालिया, दिल्ली
- २) निर्णयसागरीया शब्दरूपावली
- ३) प्रारम्भिकरचनानुवादकौमुदी – डॉ० कपिलदेवद्विवेदी, विश्वविद्यालय प्रकाशन, वाराणसी

पतञ्जलिविश्वविद्यालयः, हरिद्वारम्

BA – प्रथमवर्षः (द्वितीयसत्रम्)

संस्कृतम्

Paper code- 212

पूर्णाङ्काः – १००

आन्तरिकाङ्काः – ३०

बाह्याङ्काः – ७०

द्वितीयपत्रम् – साहित्यं धर्मशास्त्रं च

उद्देश्य -

- १) मनुस्मृति में निर्दिष्ट धर्मविषयक ज्ञान प्रदान कराना
- २) सत्यार्थप्रकाश के सप्तम समुल्लास में उपदिष्ट ईश्वर व वेद के विषय में अवगत कराना
- ३) अलंकारों के कालक्षण व उदाहरणों के माध्यम से शिक्षार्थियों को समझाना
- ४) पंचतंत्र की कथाओं के द्वारा विद्यार्थियों में नैतिक शिक्षा का विकास कराना
- ५) केनप्रनिषद में सन्निहित ब्रह्मविषयक ज्ञान प्रदान कराना

परिणाम -

- १) विद्यार्थियों में धर्मज्ञान का द्वारा धर्माचरण में प्रवृत्ति होती है
- २) सत्यार्थप्रकाश का द्वारा ईश्वर व वद सखणी जिज्ञासा का निराकरण होता है
- ३) लक्षण व उदाहरण का माध्यम साअलकारों का अवबाध होता है
- ४) विद्यार्थियों में मौलिक व नैतिक शिक्षा सघर्धन होता है
- ५) शिक्षार्थियों में ब्रह्म सखणी जिज्ञासा उत्पन्न होती है

इकाई (१) मनुस्मृति: – धर्मोत्पत्तिविषयः, प्रथमाध्यायः, द्वितीयाध्यायः (१-६० श्लोकपर्यन्तम्)
श्लोकव्याख्या, निबन्धात्मकप्रश्नाः

इकाई (२) सत्यार्थप्रकाशः - सप्तमसमुल्लासः
श्लोक-मन्त्रव्याख्या, निबन्धात्मकप्रश्नाः

इकाई (३) अलङ्कारपरिचयः (लक्षण-उदाहरणम्)
उपमा, रूपकम्, अर्थान्तरन्यासः, उत्प्रेक्षा, प्रतिवस्तूपमा, काव्यलिङ्गम्, दृष्टान्तः, विशिष्टाङ्कितः,
विभावना

इकाई (४) पञ्चतन्त्रम् (६-१० कथापर्यन्तम्)
श्लोकव्याख्या, कथालङ्घनम्, निबन्धात्मकप्रश्नाः

इकाई (५) कम्पनिषद्
श्लोकव्याख्या, श्लोकस्मरणम्, निबन्धात्मकप्रश्नाः

निर्धारितग्रन्थाः –

- १) मनुस्मृतिः – गङ्गाप्रसाद उपाध्यायः विजयकुमारगण्डर्विन्दरामहासानन्दाः, नई दिल्ली
- २) सत्यार्थप्रकाशः - महर्षिदयानन्दसरस्वती, आर्षसाहित्य प्रचार ट्रस्ट, ब्रजवासी आर्ट, नाएडा
- ३) कव्यदीपिका – कान्तिचन्द्रभट्टाचार्यः, चौखम्भाप्रकाशन, वाराणसी
- ४) पञ्चतन्त्रम् - विष्णुशर्मा (निषिद्धाक्षीलाक्षवर्जितम्) चौखम्भाप्रकाशन, वाराणसी
- ५) कम्पनिषद् – गीताप्रज्ञ गण्डखपुरम्

पताञ्जलि विश्वविद्यालय, हरिद्वार बी.ए. (याग) द्वितीय सत्राष्टर

ELECTIVE -I (BASIC SANSKRIT - II)

Paper Code-B.A.C.C. 213

Unit-1: सङ्कृतभाषा परिचय [BHRS)

पठ् एवङ्क धातु का कर्मवाच्यरूप ज्ञान पाँच लकारों लट्, लृ, ल, लट्, लिए में एवङ्काक्य निर्माण अर्थज्ञान सहित अस् एवङ्म् धतु का भाववाच्यरूप ज्ञान पाञ्च लकारों लट्, लृट् लब, लट्, विधिलिए में एवङ्काक्य

निर्माण अर्थज्ञान सहित कर्तृवाच्य एवं कर्मवाच्य का परिचय, वाक्यरचना, वाक्यरूपान्तरण एवं अनुवाद ।
कर्तृवाच्य का परिचय वाक्यरचना, वाक्यरूपान्तरण एवं अनुवाद ।

Unit-2: कृदन्त प्रत्यय [7HRS]

शतृ एवं शानच् प्रत्ययों से शब्दनिर्माण, वाक्यरचना और अनुवाद । क्त्वा, ल्यप्, तुमुन् प्रत्ययों से
शब्दनिर्माण, वाक्यरचना और अनुवाद । क्त एवं क्तवतु प्रत्ययों से शब्दनिर्माण, वाक्यरचना और अनुवाद ।
तव्यत्, अनीयर् एवं यत् प्रत्ययों से शब्दनिर्माण, वाक्यरचना और अनुवाद ।

Unit-3 सन्धि एवं भाषाभ्यास [8HRS]

हल् एवं विसर्ग सन्धियों का ज्ञान एवं सन्धि विच्छेद का अभ्यास । भगवद्गीता के द्वितीय अध्याय के प्रथम
20 श्लोकों में "कारक एवं क्रियापदों का अनुसन्धान एवं सस्वर श्लोकपाठ संस्कृत से हिन्दी / अंग्रेजी में
अनुवाद

मौखिक व्याख्यान का अभ्यास ।

Unit-4: भाषादक्षता [7HRS]

प्रथमदीक्षा के चतुर्थ, पंचम एवं षष्ठ अध्याय से वाक्यनिर्माण एवं अर्थज्ञान का अभ्यास ।

संस्कृत में परस्पर वार्तालाप एवं

TEXT BOOKS

1. द्विवेदी कपिल देव: प्रारम्भिक रचनानुवाद कौमुदी, विश्वविद्यालय प्रकाशन, वाराणसी 2011
2. द्विवेदी कपिल देव रचनानुवादकौमुदी विश्वविद्यालय प्रकाशन, वाराणसी 2011
3. द्विवेदी कपिल देव: प्रौढरचनानुवाद कौमुदी, विश्वविद्यालय प्रकाशन, वाराणसी 2007

BOOKS FOR REFERENCES

1. प्रथमदीक्षा राष्ट्रिय संस्कृत संस्थान, नई दिल्ली।
- द्वितीय दीक्षा राष्ट्रिय संस्कृत संस्थान, नई दिल्ली।
3. महर्षि दयानन्द सरस्वती: वर्णोच्चार शिक्षा, रामलाल कपूर ट्रस्ट, सोनीपत हरियाणा ।

University of Patanjali, Haridwar
Paper Name: Communicative English
Paper Code: B.A.C.E. 02

Final Exam (SEE)-70 Marks
Internal Assessment (CT+TA)-30Marks

Objectives

Following the completion of this course, students shall be able to

- Communicate in English in interviews etc.
- Develop reading and writing skills in English
- To communicate in English while teachings of Yoga

Course Outcomes

CO1:Students will demonstrate the capacity to write and speak clearly, read perceptively, and think critically.

CO2: Students will demonstrate understanding of historical traditions in British and American literature.

CO3:Students will demonstrate understanding of how written and spoken language expresses diverse cultural experiences.

CO4:Students will demonstrate understanding of the functions and historical development of the English language.

CO5:Students will be able to speak fluently.

UNIT 1- COMMUNICATION (10 HRS)

Paragraph Writing Reading Comprehensions, Listening Comprehensions, Note Making. Summary, referring to Encyclopaedia and Dictionary, Debate Writing, Speech Writing Article Writing, Phonetics Transcription, Precise Writing

UNIT 2- INTERVIEW (05 HRS)

Group Discussion, Personal Interview, Telephonic Interview, Resume Writing Etc.

UNIT 3- LITERATURE (15 HRS)

- Ramayana
- Srimadbhagwad Geeta
- Panchtantra

REFERENCES

- Ethan F. Becher: Mastering Communication at Work: How to Lead, Manage and Influence, 2009.
- Mathew Mckey, Martha Devis, Patrick: Messages: The Communication Skill Book, 2009

- P.S Perkins, Les Brown: The Art and Science of Communication, 2008
- Robin Quinn, Joe Kohl: Talk Like a Winner; 21 Simple Rules For Achieving Everyday Communication Success, 2008 Srimadbhagwadgeeta by Paramhansa Yogananda.

University of Patanjali, Haridwar
Paper Name -Patanjal Yogsutra
Paper Code – B.A. 301

Final Exam (SEE)-70 Marks
Internal Assessment (CT+TA)-30Marks

Objectives:

- Following the completion of this course, students shall be able to
- Introduce Yoga darshan and its main principles.
- Become familiar with the main techniques of yoga prescribed in Yoga Darshan.

Course outcomes:

On completion of this course, the students will have:

- CO1:** understanding of different Yoga texts.
CO2: understanding of mind and its modifications
CO3: knowledge of different obstacles in Sadhana and how to eradicate them.
CO4: understanding of Sanyama, Parinamas and different Vibhutis.
CO5: knowledge of different procedures to attain Kaivalya.

Unit - Text Introduction and Samadhi Pada - (15 Hours):

Introduction to Yoga Sutra Granth, Definition of Yoga, Concept of Chitta, Chitta Bhoomi, Chitta Vrittiya and Types, Chitta Vritti Nidrodhopaya (Abhyasa and Vairagya), The Nature of God, Pranava Chanting and Its Results, Antarayabhava, Chitta Prasadana, Nature of Samadhi.

Unit-2: - Sadhan Pada (15 Hours):

Concept of Kriya Yoga, Klesha, Ashtanga Yoga Introduction, Chaturavuhavaad, Drashta and Drishya, Vivek Khyati.

Unit-3: - Vibhuti Pada- (15 Hours)

Antaranga Yoga (Dharana, Dhyana, Samadhi), Concept of Sanyama, Introduction of Vibhutis, Ashtasiddhi.

Unit-4: Kaivalya Pada- (15 Hours):

Kaivalya. Five Types of Siddhis (Attainments), Nirmana Chitta, Types of Karma, Vaasna, Vivek Jnana, Kaivalya

Prescribed Text Book-

योगदर्शनम-स्वामी रामदेव

दर्शन प्रवेश-दिव्य प्रकाशन

Supporting Book-

भोजवति

योगदर्शनम- गीताप्रेस गोरखपुर

University of Patanjali, Haridwar
Paper Name- Human Biology I
Paper Code- B.A. 302

Final Exam (SEE)-70 Marks
Internal Assessment (CT+TA)-30Marks

- **Objectives:**
- The teaching-learning of this paper will enable learner to
- Discuss & introduce skeletal system, muscular system, respiratory system with their gross anatomy & physiology
- Discuss anatomical & physiological effects of selected yoga practices on aforesaid human body systems.

Course outcomes

On completion of this course, the students will be able to:

CO1: understand of Human Anatomy and Physiology.

CO2: know different levels of structural complexity.

CO3: know the effect of yogic techniques on different systems in the human body.

CO4: develop the understanding of hormones.

Unit-1: - Introduction to Human Body (15 Hours):

Definition, Structure, Cell Types and Functions of Human Cells. **Body Structure and Function, Key Words and Their Concepts.**

Unit-2: - Skeletal System - 1 (15 Hours):

The Structure and Type of Bone. The Structure and Function of the Spine. Effect of Yoga On Bone and Bone Joint.

Unit-3: - Muscular System - (15 Hours)

The Structure, Type and Function of the Muscle. Mechanism of Muscular Contraction. Neuro-Muscular Communication Neurotransmitters | Effect of Yoga On Muscles.

Unit-4: - Respiratory System - (15 Hours):

Nose, Throat, Bronchi, Structure, Mechanism of Breathing. Respiratory Processes - Cellular Respiration and Thoracic Respiration. Effect of Yoga On Respiratory System.

Reference book

1. सश्रुतु (शरीर स्थान)- डा. भास्कर गोविन्द घाणेकर
2. शरीर रचना विज्ञान- डा. मुकुन्द स्वरु

3. शरीर क्रिया विज्ञान- डा. प्रियवत्
4. शरीर रचना व क्रिया विज्ञान- डा. एस. आर.
5. आयुर्वेदीय क्रिया शरीर- वैद्य रणजीत राय देसाई
6. Anatomy & Physiology of Yogic Practices- M. M. Gore
7. Anatomy & Physiology Yogic Context- Dr. Sharad Bhalekar

University of Patanjali, Haridwar
Paper Name- System and Schools of Psychology-I
Paper Code – B.A. 303

Max Marks: 70
CTime: 3 Hours

Course Objectives:

- To enable the student to understand psychology in historical perspective.
- To familiarize students with the various movements and schools of psychology.

Course Outcomes:

At the end of the course, students will be able to:

- To better evaluate current psychological findings.
- Historical awareness can also contribute to enhance personal ability to critically evaluate contemporary ideas.
- To appreciate the 'reflexive' nature of the field.

1. Systems in Psychology:

- A. Meaning and types and some Basic Issues in Psychology
- B. Contribution of Greeks: Socrates, Plato and Aristotle
- C. Structuralism: William Wundt and his Systematic Psychology, Functionalism: Stream of Consciousness, Chicago School

2. Associationism:

- A. Historical Background of Associationism
- B. Ivan Petrovich Pavlov
- C. Thorndike

3. Behaviorism:

- A. Watsonian Behaviorism as a system
- B. Tolman's Purposive Behaviourism
- C. Skinner

4. Gestalt Psychology:

- A. Antecedent factors of Gestalt Psychology
- B. Foundry of Gestalt Psychology
- C. Contribution of Gestalt psychology: Perception, Learning & Thinking.

5. Field Theory:

- A. Life Sketch of Kurt Lewin
- B. Topological Psychology of Kurt Lewin

C. Vector Psychology of Kurt Lewin

Recommended Books:

1. **Woodworth, R.S.** (1932). Contemporary School of Psychology. New York.
2. **Heidbreder, E.** (1933). Seven Psychologies. New York.
3. **Singh, A.K.** (1991). The History and Systems of Psychology. Delhi: Motilal Banarsidas.

**Psychological Statistics
PAPER – II B.A. 304**

Max Marks: 70

Time: 3 Hours

Course Objectives:

- To develop an understanding of various statistical technique in terms of them Application
To acquire competencies to organize data.

Course Outcomes

At the end of this course students will be able

- Understand the basic concept of statistics in psychology. • Explore and get introduced to the various statistical tools (parametric and non-parametric) • used for analysis. Learn categorization and presentation of data; graphical representation used to • communicate data

Note: The Calculator (Ordinary) is permitted during examination.

1. Statistic in Psychology:

- A. Meaning and application of Statistic
- B. Meaning of Measurement and its levels
- C. Discrete and continuous series

2. Frequency Distribution and Representation of Data:

- A. Drawing of frequency distribution
- B. Graphical representation of group data; Polygon
- C. Graphical representation of group data: Histogram, Bar diagram

3. Measurement of Central Tendency:

- A. Meaning and characteristics of Mean with its computation
- B. Meaning and characteristics of Median with its computation
- C. Meaning and characteristics of Mode with its computation

4. Measures of Variability:

- A. Concept of variability
- B. Range its merits and limitations
- C. Standard Deviation and Quartile Deviation

5. Normal Distribution:

- (A) Meaning of Normal Probability Curve
- (B) Properties of N.P.C

(C) Application of N.P.C

Recommended Books:

1. Garrett, H. E. (1947). Statistics in psychology and education. New York:

University of Patanjali, Haridwar
Tourism Policy and Planning
Paper Code-BA-305

Objectives:

The module will expose the students about the Tourism policy of India and of a few tourism states of the country.

Unit-I:

Tourism Planning- Meaning, definition, need, type and levels of Tourism Planning Process of Tourism Planning.

Unit-II:

Tourism Policy - Meaning, definition, need, types. Tourism Policy of Himachal Pradesh, Rajasthan, Goa and Kerla.

Unit-III:

Destination development- Meaning, definition, components, concept of destination life cycle. Step and stages/ Process of destination planning.

Unit - IV:

Developing Tourism Plans- Technique. Planning Tourist attractions – Natural, cultural and special interest Tourist area. Implementation and Monitoring of Tourism Plans.

Unit -V:

Tourism Plans in India: Tourism under different five year plans. Tourism policies in India with special reference to National Tourism Policy, 1982. Tourism National Action Plan, 1992.

Suggested Books:

- New Inskip, Edward, Tourism Planning: An Integrated and Sustainable Development Approach (1991) VNR, New York.
- Ashworth, G. J. (2000), The Tourist Historic City. Retrospect and Prospect of Managing the Heritage City, Pergamon, Oxford
- Dept. of Tourism, GOI Investment Opportunities in Tourism (Brochure).

- Sharma, J. K. (2000), Tourism Development. Design for ecological sustainability, Kaniska Publication, New Delhi.

University of Patanjali, Haridwar
Travel Agency and Tour Operations Business
Paper Code- B.A. 306

Objective: The students will understand the conceptual meaning and differentiation between Travel agency and Tour operation. Further they will understand formalities and documentation needed to set up these units.

Unit-I: Travel Agency and Tour Operation

Introduction to Travel Agency. Meaning and Definition of Travel Agency and Tour operation, Forms & Typologies of Tour Operations and Travel Agents, Role and Contributions of Travel Agents & Tour Operators in Tourism Development.

Unit-II: Business Profile of Travel Agency

Organizational Structure of an approved Travel Agency. Procedures for approval of a Travel Agency and the details of formalities the are required to be completed from various agencies of Central Government and State Government from time to time. Travel Agency Business and Functions- Ticketing, Travel Facilitation, Documentation and Marketing etc.

Unit-III: Tour Operation Management

Tour Package- Meaning, Component, types.
Organizational Structure & Major Function of a tour operator. Tour Itinerary-Meaning, definition, types.

Unit-IV: Linkages in Tourism Business

How tour operations and travel agencies are linked with Airlines, Accommodation Properties, shopping Emporiums, Security Agencies, Transport Organizations, Insurance Unit, Foreign Exchanges Handling Counters, Foreign Embassies and State and Center Tourism Departments.

Unit-V: Travel Trade Organization and Associations

A brief introduction to UNWTO / WTO, IATA, TAAI, ITDC, IATO.

Suggested books

1. Travel Agency Management-Dr Mohinder Chand- Anmol Pblcation, New Delhi
2. International Airfare and Ticketing- Dr. S.K. Gupta, UDH Publisher, New Delhi
3. The Business of Tourism- Hollway, Mc Donald and Evans, Plymouth.

4. IATO Annual Report, New Delhi
5. TAAI Annual Report, Mumbai.
6. www.itdc.gov.in

University of Patanjali, Haridwar
Paper Name - Yoga Practicum
Paper Code – B.A. 307

Final Exam (SEE)-70 Marks
Internal Assessment (CT+TA)-30Marks

- **Objectives:**
- Following the completion of the course, students shall be able to:
- State techniques, health benefits, applications, precautions and contraindications of undermentioned yogic practices; &
- To demonstrate and instruct undermentioned yogic practices.

Course outcomes

On completion of this course, the students will be able to:

CO1: develop understanding of different yogic techniques.

CO2: attain perfection to perform different yogic practices.

CO3: learn the practical interpretation of Shatkarma.

CO4: can develop the calibre to conduct practical sessions.

YOGASANA (SITTING POSTURES)

Dandasana, Swastikasana, Padmasana, Vajrasana, Supta Vajrasana, Kagasana, Utkatasana, Gomukhasana, Ushtrasana, Shashankasana, Janusirasana, Paschimottanasana, Bhramacharyasana, Mandukasana, Utthana Mandukasana, Vakrasana, Ardha Matsyendrasana, Marichayasana, Simhasana.

PRANAYAMA (WITH ANTAR & BAHYA KUMBHAKA)

Anulomvilom, Bhramari, Udgeeth and Pranav as recommended by Swami Ramdev.

BANDHA

Jalandhara Bandha, Uddiyana Bandha, Mula Bandha,

SHATKARMAS

Sutra Neti, Nauli Chalana, Agnisara.

MANTRA

Bhojan Mantra, Pratah Evam Ratri Mantra- Understanding, Recitation And Memorization

Continuous Evaluation by The Teachers

TEXT BOOKS

1. Yogrishi Swami Ramdev Ji: Pranayama Rahasya, Divya Prakashan, Haridwar, 2009
2. Science Studies Pranayam: Patanjali Research Foundation, Haridwar, 2011
3. Acharya Balkrishna: Yog Vijnanam, Divya Prakashan, 2017.
4. Yogrishi Swami Ramdev Ji: Vedic Nityakarma Vidhi, Divya Prakashan, Haridwar, 2010.

University of Patanjali, Haridwar
Paper Name- Psychology Practical
Paper Code- B.A. 308

Course Objectives:

- To provide scientific and applied knowledge about psychological tests
- To apply the principles of psychology in day-to-day life for a better understanding of themselves and others.

Course Outcome:

After the completion of this course, a student will be able to

- Engage in innovative and integrative thinking and problem solving.
- Engage in active and meaningful discussion/dialogue on psychological topics

1. Adjustment Inventory for school Students
2. Family Pathology
3. Two Hand Coordination
4. Recall of nonsense syllables and meaningful words
5. Home Environment Inventory

- ❖ The department has a right to change the practical depending on the availability of the apparatus, course content and recent developments.

Division of Marks:

Conduction of 01 Practical	:	25 Marks
Viva Voce	:	45 Marks
Practical Record Book	:	20 Marks
Internal Viva-Voce	:	10 Marks
Total	:	<hr/> 100 Marks <hr/>

Note:

Any four practicals shall be conducted/administered by each student. One practical will be given to each student in a practical examination. The marks shall be awarded jointly by internal and external examiners. However, HOD will act as coordinator of the examination.

पतञ्जलिविश्वविद्यालयः, हरिद्वारम्
BA – द्वितीयवर्षः (तृतीयसत्रम्)
संस्कृतम् Paper Code- 311

पूर्णाङ्काः – १००
आन्तरिकाङ्काः – ३०
बाह्याङ्काः – ७०

प्रथमपत्रम् - व्याकरणम्

उद्देश्य -

- १) धातुओं का तीनों कालों में बाध प्रदान कराना
- २) विभक्ति प्रकरण के ज्ञान से वाक्यों में विभक्ति संबंधी त्रुटियों का निराकरण कराना
- ३) उपपद विभक्तियों के माध्यम से विभक्तियों का विशिष्ट ज्ञान प्रदान कराना
- ४) विद्यार्थियों का उपसर्गों का परिचय कराना
- ५) संस्कृत भाषा के ज्ञान से अनुवाद में दक्षता से संभाषण कौशल विकसित कराना

परिणाम-

- १) धातुओं के तीनों कालों में अवगमन के द्वारा अनुवाद व संभाषण में सरलता हासी है
- २) वाक्य प्रयोजन में नैपुण्य प्राप्त होता है
- ३) उपपद विभक्तियों के माध्यम से विभक्तियों का विशिष्ट ज्ञान प्राप्त होता है
- ४) शिक्षार्थियों का उपसर्गों का बाध प्राप्त होता है
- ५) संस्कृत भाषा की यत्नयता व प्रखरता विद्यार्थियों में प्रस्फुटित होती है

इकाई (१) धातुरूपमात्रम् (लट्, लाट्, लङ्, विधिलिङ्, लृट् लकारेषु)

परस्मैपदम् – दिव्, अस्, हन्, शक्

आत्मनेपदम् – वृध्, मुद्, शिक्ष्

उभयपदम् – कृ, दा, तन्, चूर्, भक्ष्, तुद्

इकाई (२) विभक्त्यर्थप्रकरणम्

सूत्रव्याख्या, सूत्रस्मरणम्, निबन्धात्मकप्रश्नाः

इकाई (३) उपपदविभक्तिपरिचयः, उपपदविभक्तिप्रयोगः

इकाई (४) उपसर्गवृत्तिः

उपसर्गपरिचयः, उपसर्गार्थः, उपसर्गप्रयोगः

इकाई (५) रचनानुवादकौमुदी (१-२० अभ्यासाः)

शब्दार्थः, नियमाः, अनुवादः, शुद्धीकरणम्, वाक्यपूर्तिः

निर्धारितग्रन्थाः –

- १) लघुसिद्धान्तकौमुदी – सुरेन्द्रदेवस्नातकः, चौखम्बा ओरियण्टालिया, दिल्ली
- २) निर्णयसागरीया धातुरूपावली
- ३) उपसर्गवृत्तिः – रामचन्द्राचार्यः
- ४) रचनानुवादकौमुदी – डॉ० कपिलदेवद्विवेदी, विश्वविद्यालय प्रकाशन, वाराणसी

पतञ्जलिविश्वविद्यालयः, हरिद्वारम्

BA – द्वितीयवर्षः (तृतीयसत्रम्)

संस्कृतम्

Paper Code- 312

पूर्णाङ्काः – १००

आन्तरिकाङ्काः – ३०

बाह्याङ्काः – ७०

द्वितीयपत्रम् – साहित्यं धर्मशास्त्रं च

उद्देश्य -

- १) मनुस्मृति के माध्यम से संस्कारों का अवबोध कराना
- २) मनुस्मृति के द्वारा गुरु शिष्य परंपरा का बोध प्रदान कराना
- ३) सुषेण निघंटु के द्वारा अन्नपान विधि के अवगमन कराना
- ४) मूल रामायण के श्लोक पठनपूर्वक रामायण कथा सार का ज्ञान प्रदान कराना
- ५) मूल रामायण के श्लोक पठनपूर्वक रामायण कथा सार का ज्ञान प्रदान कराना

परिणाम -

- १) शिक्षार्थियों में मनुस्मृति में सन्निहित श्लोकों के अर्थ व विषय प्रस्तुति की कुशलता का विकास हुआ है
- २) शिक्षार्थियों में मनुस्मृति में सन्निहित श्लोकों के अर्थ व विषय प्रस्तुति की कुशलता का विकास हुआ है
- ३) अन्नपान विधि के ज्ञान से आहार संबंधी जानकारी प्राप्त हुआ व अन्यो कौशल प्रदान कराने का सामर्थ्य प्राप्त हुआ है
- ४) भगवान राम के आदर्शों से जीवन कौशलता की ओर अग्रसर करने में सहायता प्रदान हुयी है
- ५) भगवान राम के आदर्शों से जीवन कौशलता की ओर अग्रसर करने में सहायता प्रदान हुयी है

इकाई (१) मनुस्मृति:

(क) – द्वितीयाध्यायः (६१-१४० श्लोकपर्यन्तम्)

श्लोकव्याख्या, निबन्धात्मकप्रश्नाः

इकाई (२) मनुस्मृति: (ख) – द्वितीयाध्यायः (१४१-२१६ श्लोकपर्यन्तम्)

श्लोकव्याख्या, निबन्धात्मकप्रश्नाः

इकाई (३) सुषेणनिघण्टुः

श्लोकव्याख्या, निबन्धात्मकप्रश्नाः

इकाई (४) मूलरामायणम् (पूर्वार्धः १-५० श्लोकपर्यन्तम्)

श्लोकस्मरणम्, श्लोकव्याख्या, निबन्धात्मकप्रश्नाः

इकाई (५) मूलरामायणम् (उत्तरार्धः ५१-१०० श्लोकपर्यन्तम्)

श्लोकस्मरणम्, श्लोकव्याख्या, निबन्धात्मकप्रश्नाः

निर्धारितग्रन्थाः –

- १) मनुस्मृतिः – गङ्गाप्रसाद उपाध्यायः विजयकुमारगोविन्दरामहासानन्दाः, नई दिल्ली
- २) सुषेणनिघण्टुः
- ३) मूलरामायणम् – राष्ट्रियसंस्कृतसंस्थानम्, नई दिल्ली

University Of Patanjali, Haridwar
Paper Name - Human BiologyII
Paper Code- B.A. 401

Final Exam (SEE)-70 Marks
Internal Assessment (CT+TA)-30Marks

Objectives:

- The teaching-learning of this paper will enable learner to
- Discuss & introduce Blood Circulatory System, Digestive System, Excretory System & Nervous Systems with their gross anatomy & physiology.
- Discuss anatomical & physiological effects of selected yoga practices on aforesaid human body systems.

Course outcomes

On completion of this course, the students will be able to:

CO1: understand of Human Anatomy and Physiology.

CO2: know different levels of structural complexity.

CO3: know the effect of yogic techniques on different systems in the human body.

CO4: develop the understanding of hormones.

Unit-1: - Blood Circulatory System (15 Hours):

Composition of Blood, White Blood Particles, Red Blood Particles and Blood Cycle Composition and Function, Functions of Blood, External and Internal Structure and Functions of Heart, Effect of Yoga On Blood Circulatory System. Introduction, Structure and Function of Lymphatic System. Effect of Yoga On Lymphatic System.

Unit-2: - Digestive System- 1 (15 Hours):

The Structure of the Digestive System, The Functions of the Digestive System,

The Digestion of Proteins, Fats and Carbohydrates, The Structure and Function of the Liver, The Structure and Function of the Pancreas, The Effect of Yoga On the Digestive System. Stomach Structure and Function.

Unit-3: - - Excretory System - (15 Hours)

The Composition of the Excretory System, The Structure and Function of the Kidney, The Process of Urine Formation, The Excretion of Urine, The Composition of Urine, The Effect of Yoga On the Excretory System.

Unit-4 Nervous Systems - (15 Hours):

Branches of Nervous System, Nerves and Brain, Brain Parts, Brain Functions, Nerve Types - Cerebral & Spinal, Autonomic Nervous System, Effect of Yoga On the Nervous System. The Structure and Function of the Senses, The Effect of Yoga On the Senses.

Reference book

1. सश्रुतु (शरीर स्थान)- डा. भास्कर गोविन्द घाणेकर
2. शरीर रचना विज्ञान- डा. मुकुन्द स्वरूप
3. शरीर क्रिया विज्ञान- डा. प्रियवतृ
4. शरीर रचना व क्रिया विज्ञान- डा. एस. आर.
5. आयुर्वेदीय क्रिया शरीर- वैद्य रणजीत राय देसाई
6. Anatomy & Physiology of Yogic Practices- M. M. Gore
7. Anatomy & Physiology Yogic Context- Dr. Sharad Bhalekar

University of Patanjali, Haridwar
Paper Name- Introduction to Ayurveda and Swasthavritta
Paper Code- B.A. 402

Final Exam (SEE)-70 Marks
Internal Assessment (CT+TA)-30Marks

Objectives:

Following the completion of this course, students shall be able to

- Understand the basic principles of Ayurveda.
- Have knowledge of different techniques used in Ayurveda to cure general ailments.
- Have basic knowledge of Swasthavritta & Panchkarma and useful domestic herbal remedies.

Course Outcomes:

Following the completion of this course, students will be able to

- CO1:** Understand the basic concept of Ayurveda.
- CO2:** Explain the concept of health & other principles of Ayurveda.
- CO3:** Explain different procedures to live a healthy life.

Unit-1: - Introduction to Ayurveda (10 Hours):

Ayurveda: General Introduction: Meaning, Definition, Purpose, Tradition, History, Principles. Origin of Ayurveda (Ayurveda Avtaran) General Introduction Of Ayurvedic Texts- Charak Samhita, Sushruta Samhita. The Concept of Health According to Ayurveda. Use of Ayurveda in Health Promotion and Prevention of Diseases.

Unit-2: Principles of Ayurveda (15 Hours):

Basic Principles of Ayurveda - Tridosha, Saptadhatu, Pancha Mahabhut. Prakriti Nirupan, Concept of ManasPrakriti, Prakriti Testing and Determination. Concept of Agni, Shrotasa, Aama. General Introduction of Dravyagata Rasa, Guna, Karma, Veerya, Vipaka, Prabhav.

Unit-3: - Introduction of Swasthavritta (15 Hours)

Swasthavritta - Meaning, Definition, Purpose and Importance

Upastambhatraya – Aahaar, Nidra, Brahmacharya. Dincharya, Ratricharya Ritucharya, Doshas - Accumulation, Aggravation & Pacification; Sadvritta and Achara Rasayana.

Unit-4: - Diet (10 Hours):

Meaning, Definition, Properties, Functions, Quantity and Time of Diet (Aahar). Raw Diet, Mitahara, Fasting, Comparative Evaluation of Vegetarian and NonVegetarian Diet. Chemical Classification of Food - Carbohydrate, Fat, Minerals, Vitamins, Water Composition, Classification and Physical Effects.

Unit-5: - Introduction of Panchakarma (10 Hours):

Concept of Panchakarma - Meaning, Definition, Type, Purpose, Importance and Limitations.

Trividha Karma - Purva (Pre), Pradhan(Main), Pashchaat (Post) Karma Description.

Prescribed text book

- आयुर्वेद औषधि-आचार्य बालकृष्ण जी
- आयुर्वेद सिद्धरन्त रहस्य- आचार्य बालकृष्ण जी
- स्वस्थवृत्त विज्ञान-प्रो० रामहर्ष सिंह

Supporting text book

1. आयुर्वेदीय शरीर क्रिया विज्ञान शिव कुमार गौड़
2. आयुर्वेदिक ट्रीटमेंट फॉर कॉमन प्रिंसीपल डिजीजेज- वी०वी०दास
3. Basic Principles of Ayurveda- K. Laxmi Pati

University of Patanjali, Haridwar
SYSTEM AND SCHOOLS OF PSYCHOLOGY-II
PAPER-I B.A. 403

Max Marks: 70
Time: 3 Hours

Course Objectives:

- To enable the student to understand psychology in historical perspective.
- To familiarize students with the various movements and schools of psychology.

Course Outcome:

After the completion of this course, a student will be able to

- Gain fundamental understanding of psychology in the context of real life.
- Equip himself /herself with the skill and competence to apply psychological principles in a range of environments to increase individual and collective wellbeing

1. Psychoanalysis:

- A. Freudian Psychoanalysis as a System
- B. Contribution of Sigmund Freud
- C. Heris to Freud: contribution of Alfred Adler and Carl Jung

2. Hormic Psychology and Dynamic Psychology:

- (A) Basic features of McDougall's Hormic Psychology
- (B) Woodworth's Dynamic Psychology
- (C) Comparison between Woodworth and McDougall

3. Humanistic Psychology:

- (A) Rogers' Self theory
- (B) Maslow's Self-Actualizations theory

4. Existential Psychology:

- (A) Basic tenets of Existential Psychology
- (B) Contribution of Medard Boss
- (C) Contribution of Rollo May

5. Cognitive Psychology:

- (A) Contribution of Jean Piaget
- (B) Contribution of Noam Chomsky

Recommended Books:

- 4. Woodworth, R.S. (1932). Contemporary School of Psychology. New York.
- 5. Heider, E. (1933). Seven Psychologies. New York.
- 6. Singh, A.K. (1991). The History and Systems of Psychology. Delhi: Motilal Banarsida

University of Patanjali, Haridwar
SOCIAL RESEARCH
PAPER-II B.A. 404

Max Marks : 70
Time : 3 Hours

Course Objectives:

- The course aims to familiarizing students Research Methods that are employed in field settings.
- Analyse & comprehend research and its application.
- Design and Develop the strategy, to conduct research

Course Outcome:

After completion of the course the student will be able

- To understand, participate and conduct various steps involved in research.
- Differential understanding of appropriate techniques to be used in various types of scientific research in social sciences.
- Analyse & comprehend research and its application.

1. Nature of Psychological Research:

- A. Meaning and characteristics of research
- B. Utility of Research
- C. Ethics in conducting research

2. Problem and Hypothesis:

- A. Research Problem and variables
- B. Meaning and Characteristics of good hypothesis
- C. Experimental Hypothesis

3. Sampling:

- A. Sample and Sampling
- B. Advantages of Sampling
- C. **Probability Sampling:** Simple Random sampling, Stratified Random Sampling, **Non Probability Sampling:** Accidental Sampling, Quota Sampling, Purposive sampling

4. Methods and Techniques:

- A. *Observations*: Meaning of Observation, Kinds of observation, Merits and Limitations
- B. *Questionnaires*: Nature of Questionnaire Construction, Structured and Non Structured Questionnaire.
- C. *Interviews*: Characteristics of Interview, Steps involved in the process of interview, sources of error
5. Presentation of Research Report based on APA manual

Recommended Books:

- Suleman, M. (2008). *Manovigyaan, Shiksha Evam Anya SaamaajikVigyaanon Mein Samkhyikee*. New Delhi: Motilal Banarsidas.
- Stockton, K. & Fred N. (1973). *Foundations of Behavioral Research*. (2nd ed.) New York: Holt, Rinehart and Winston.
- Kapil, H. K. (2015). *AnusandhanVidhiyan*.

University of Patanjali, Haridwar
B. A (with Yoga Science)- IVth Semester
Paper-I B.A. 405
Destination Interpretation- India

Objective:

This model gives information of countries Tourist places of India importance and it helps students to know the background elements of Cultural & Natural Tourism Resources.

Unit-I : North India

Delhi, Agra, Gangotri, Yamonatri, Badrinath, Kedar Nath, Sarnath, Kushi Nagar, Shrawasti: Interpretation of attractions that represent and reflect the cultural diversity and religious unity of India.

Unit-II : Western India

Jaipur, Jodhpur, Udaipur, Jaisalmer Mount. Abu, Dwarka, Somnath, Nageshwar, Details of Distinguished features of these timeless monuments and palaces.

Unit-III : Central India

Khajuraho, Sanchi, Ujjain, Omkareshwar, Panchmadhi, Bandhavgarh, Bhimbetka: Interpretation of cultural features from the glorious past.

Unit-IV : South India

Kerala, Goa, Ajanta- Ellora Caves, Madurai, Mahabalipuram, Kanchipuram, Thirupathi, Rameshwaram, Kanyakumari, Understanding some of the amazing cultural and amazing features with details.

Unit-V : East India

Konark, Puri, Bodh Gaya, Nalanda, Guwahati, Gangtok, Darjleeing, Sunderban,: Understanding the significant features and natural attributes.

Suggested books

1. Mukarjee, R.K. The culture and Art of India, George Alleene Unwin Ltd. London 1959.
2. Oki Morihiro- Fairs and Festivals, World Friendship Association, Toyko, 1988
3. The Treasures of Indian Museum, Marg Publication, Mumbai.
4. Archaeological Survey of India publication on archaeological places of India.
5. Mitra, Devla-Buddhist Architecture, Calcutta.
7. Websites of different destinations.

University of Patanjali, Haridwar
B. A (with Yoga Science)- IVth Semester
Paper-II B.A. 406
Hospitality Management

Objectives:

This Module is prescribed to appraise students about the important departments of a classified hotel and to teach various aspects related to accommodation Industry

Unit-I : Hospitality: Meaning, Nature and Typologies

Defining Hospitality: Nature and its Meaning.

Age old Institution of Hospitality with the Spirit of 'Atithi Devo Bhav' in India and its present status. Typology of Accommodation, Origin and growth of Hostel industry with special Reference to India.

Unit-II : Organization and Functions of Various Department in Hotels.

Front Office,

Food

Production F

& B Service,

House

Keeping

Back office and other Ancillary Department.

Unit-III : Type and Forms of Hotels

Classification of Hotel on Basis of Location, Size, Clientele and Range of Service etc Star Classification – Criteria and Procedure Adopted in India.

Resort Properties, Heritage Hotel and Ecotels- Concept and Emerging Dimensions.

Unit-IV : Hospitality Institutions & Manpower Requirements.

Manpower Requirement in Hotel Sector: designations, qualifications & remunerations.

Role and Contribution of I.T.D.C. and State Tourism Corporations in Development of Hotel Sector in India, Hospitality Educations of India-Growth & Development, Hospitality Associations (HAI & FHRAI)

Unit-V : Major Hotel Chains in India

The Taj Group of Hotels

Oberoi Hotel & Resorts

Lalit Hotels

The Ashok Group of Hotels

Suggested books

1. Introduction to Hospitality Industry-Bagri & Dahiya
2. Introduction to Hospitality- J. Walker
3. Managing Hospitality- D. Rutherford
4. Hotel Front Office Manual-Sudhir Andrew
5. Housekeeping Manual-Sudhir Andrew
6. Hotel and Lodging Management and Introduction: by Alan T. Stutis & James F. Wortman, John Wiley & Sons.

University of Patanjali, Haridwar

Paper Name- Yoga Practicum

Paper Code- B.A. 407

Final Exam (SEE)-70 Marks

Internal Assessment (CT+TA)-30Marks

- **Objectives:**
- Following the completion of the course, students shall be able to:
- State techniques, health benefits, applications, precautions and contraindications of undermentioned yogic practices; &
- To demonstrate and instruct undermentioned yogic practices.

Course outcomes

On completion of this course, the students will be able to:

CO1: Develop understanding of different yogic techniques.

CO2: attain perfection to perform different yogic practices.

CO3: learn the practical interpretation of Shatkarma.

CO4: conduct practical sessions.

CO5: Conduct Yajya practical sessions

CO6: explain techniques of Pratyahara, Dharana and Dhyana.

YOGASANAS (STANDING POSTURES]

Tadasana, Vrikshasana, Urdhva-Hastottanasana, Kati Chakrasana ; Ardha Chakrasana, Pada Hastasana; Trikonasana, Parshva Konasana; Veerabhadrasa

PRANAYAMA (WITH ANTAH & BAHYA KUMBHAKA)

Surya-bheda Ujjayi Pranayama, Sheetali Pranayama, Shitkari Pranayama,

MUDRAS

Yoga Mudra, Maha Mudra, Shanmukhi Mudra, Shambhavi Mudra

SHATKARMAS

Gajkarni, Tratak

YAJNA KARMA

Practice and procedure of Yajna including learning and memorization of mantras. Do's and Don'ts of Yajna.

CONTINUOUS EVALUATION BY THE TEACHERS

TEXT BOOKS

1. Yogrishi Swami Ramdev Ji: Pranayama Rahasya: Divya Prakashan, 2009.

University of Patanjali, Haridwar

Paper Name- Practicals

Paper Code-B.A. 408

Course Objectives:

- To provide scientific and applied knowledge about psychological tests
- To apply the principles of psychology in day-to-day life for a better understanding of themselves and others.

Course Outcome:

After the completion of this course, a student will be able to

- Engage in innovative and integrative thinking and problem solving.
- Engage in active and meaningful discussion/dialogue on psychological topics

1. Defense Mechanism Inventory
2. Muler Lyer Illusion
3. Sinha Comprehensive Anxiety Test
4. Figure dexterity
5. Self-Concept

- ❖ The department has a right to change the practical depending on the availability of the apparatus, course content and recent developments.

Division of Marks:

Conduction of 01 Practical	:	25 Marks
Viva Voce	:	45 Marks
Practical Record Book	:	20 Marks
Internal Viva-Voce	:	10 Marks

Total :

100 Marks

Note:

Any four practicals shall be conducted/administered by each student. One practical will be given to each student in a practical examination. The marks shall be awarded jointly by internal and external examiners. However, HOD will act as coordinator of the examination.

पतञ्जलिविश्वविद्यालयः, हरिद्वारम्

BA – द्वितीयवर्षः (चतुर्थसत्रम्)

संस्कृतम्

Paper Code- 411

पूर्णाङ्काः – १००

आन्तरिकाङ्काः – ३०

बाह्याङ्काः – ७०

प्रथमपत्रम् - व्याकरणम्

उद्देश्य -

- १) विद्यार्थियों ककेवलसमास और अव्ययीभाव समास के परिचय के द्वारा उदाहरणों में स्पष्ट कराना
- २) शिक्षार्थियों कतत्पुरुष समास के परिचय के द्वारा वाक्यों में तत्पुरुष समास का बंध वसमस्त पदों के निर्माण का अवगमन कराना
- ३) बहुव्रीहि समास का व द्वन्द्वसमास का सूत्रसहित परिचय व उदाहरण द्वारा स्पष्टता प्रदान कराना
- ४) कर्तरी , कर्म व भाववाच्य का विद्यार्थियों कबंध कराना व विद्यार्थियों में वाच्य परिवर्तन की कुशलता उत्पन्न कराना
- ५) रचनानुवादकौमुदी के द्वारा अनुवाद में दक्षता प्रदान कराना

परिणाम-

- १) केवलसमास, अव्ययीभावसमास के अवगमन से पदों की संक्षिप्तता का बंध हप्त है व भाषा में सौंदर्य उत्पन्न हप्त है

- २) तत्पुरुषसमास के अध्ययन से विद्यार्थी तत्पुरुष समास के नियोजन की विधि जानकर उत्तम रीती से लेखन में दक्षता प्राप्त करते हैं
- ३) बहुव्रीहिसमास व द्वन्द्वसमास के सूत्र लक्षण जान विद्यार्थी इनके प्रयोग में कुशल होते हैं
- ४) वाच्यों के परिचय से तथा वाक्य परिवर्तन से विद्यार्थियों में विभिन्न प्रकार से लिखने व बोलने की कुशलता उत्पन्न होती है।
- ५) रचनानुवादकौमुदी से शिक्षार्थियों में अनुवाद की दक्षता उत्पन्न होती है।

इकाई (१) समासप्रकरणम् (केवलसमासः, अव्ययीभावसमासः) - समासविधायकसूत्रमात्रम्

सूत्रस्मरणम्, सूत्रव्याख्या, समास-विग्रहकरणम्

इकाई (२) समासप्रकरणम् (तत्पुरुषसमासः) - समासविधायकसूत्रमात्रम्

सूत्रस्मरणम्, सूत्रव्याख्या, समास-विग्रहकरणम्

इकाई (३) समासप्रकरणम् (बहुव्रीहि-द्वन्द्वसमासः) - समासविधायकसूत्रमात्रम्

सूत्रस्मरणम्, सूत्रव्याख्या, समास-विग्रहकरणम्

इकाई (४) वाक्यपरिचयः, वाक्यपरिवर्तनम्

इकाई (५) रचनानुवादकौमुदी (२१-४० अभ्यासाः)

शब्दार्थः, नियमाः, अनुवादः, शुद्धीकरणम्, वाक्यपूर्तिः

निर्धारितग्रन्थाः –

- १) लघुसिद्धान्तकौमुदी – सुरेन्द्रदेवस्नातकः, चौखम्बा ओरियण्टालिया, दिल्ली
- २) रचनानुवादकौमुदी – डॉ० कपिलदेवद्विवेदी, विश्वविद्यालय प्रकाशन, वाराणसी

पतञ्जलिविश्वविद्यालयः, हरिद्वारम्

BA – द्वितीयवर्षः (चतुर्थसत्रम्)

संस्कृतम्

Paper Code- 412

पूर्णाङ्काः – १००

आन्तरिकाङ्काः – ३०

बाह्याङ्काः – ७०

द्वितीयपत्रम् – साहित्यम्

उद्देश्य -

- १) मुंडकोपनिषद् के द्वारा विद्यार्थियों को पर - अपर आदि विद्याओं का ज्ञान कराना
- २) मुंडकोपनिषद् के द्वारा विद्यार्थियों को पर - अपर आदि विद्याओं का ज्ञान कराना
- ३) नीतिशतकम् के श्लोकों के स्मरण एवं श्लोक व्याख्या के द्वारा नीतिविषयक ज्ञान प्रदान कराना
- ४) रघुवंश के परिचय के द्वारा राजा दिलीप की कथा का बोध कराना
- ५) व्याकरणाचार्यों व साहित्याचार्यों के व्यक्तित्व एवं कृतित्व का परिचय कराना

परिणाम -

- १) विद्यार्थियों को मुंडकोपनिषद् का परिचय व पर अपर आदि विद्याओं का बोध होता है
- २) इकाई २-विद्यार्थियों को मुंडकोपनिषद् का परिचय व पर अपर आदि विद्याओं का बोध होता है
- ३) नीतिशतकम् के श्लोकों का छंद के साथ स्मरण होता है तथा नीतिविषयक ज्ञान प्राप्त होता है
- ४) रघुवंश के द्वारा राजा दिलीप की कथा का बोध होता है
- ५) व्याकरणाचार्यों व साहित्याचार्यों के व्यक्तित्व व कृतित्व का बोध होता है

इकाई (१) मुण्डकोपनिषद् – क (१-३ खण्डपर्यन्तम्)

श्लोक-मन्त्रव्याख्या, निबन्धात्मकप्रश्नाः

इकाई (२) मुण्डकोपनिषद् – ख (४-६ खण्डपर्यन्तम्)

श्लोक-मन्त्रव्याख्या, निबन्धात्मकप्रश्नाः

इकाई (३) नीतिशतकम् (१-५० श्लोकपर्यन्तम्)

श्लोकस्मरणम्, श्लोकव्याख्या, निबन्धात्मकप्रश्नाः

इकाई (४) रघुवंशः (द्वितीयसर्गः)

श्लोकव्याख्या, निबन्धात्मकप्रश्नाः

इकाई (५) वैयाकरणानां साहित्याचार्याणां च व्यक्तित्वं कृतित्वं च

पाणिनिः, कात्यायनः, वरदराजः, भर्तृहरिः, पतञ्जलिः, कालिदासः, बाणभट्टः, भासः

निर्धारितग्रन्थाः –

- १) मुण्डकोपनिषद् – गीताप्रेस, गोरखपुरम्

- २) नीतिशतकम् – भर्तृहरिः, चौखम्बा प्रकाशन, वाराणसी
- ३) रघुवंशः – कालिदासः, चौखम्बा प्रकाशन, वाराणसी

University of Patanjali, Haridwar
Paper Name- Research and Teaching Methods in Yoga
Paper Code- B.A. 501

Final Exam (SEE)-70 Marks
Internal Assessment (CT+TA)-30Marks

Objectives:

- Following the completion of this course, students shall be able to
- Understand the basic principles of Research & Teaching Methods.
- Have knowledge of different aspects of research & teaching methods used in Yoga.

Course Outcomes:

Following the completion of this course, students shall be able to

CO1: Understand the general principles and methods of teaching.

CO2: Know the meaning and scope of teaching methods.

CO3: Manage yoga classes of different group of practitioners on the basis of age, sex and number of participants.

CO4: Plan specific techniques for special attentive groups.

CO5: Prepare the ideal lesson plan and its practical applications.

CO6: Know the essential tools for the yoga education.

CO7: Understand the role of yoga for the value based education.

Unit-1: Introduction to Research Methodology (15 Hrs.)

Definition of Research; Importance of Studying Research Methods: Evaluating Research Reports; Conducting Research, Thinking Critically About Research; Types of Research: Applied Research & Basic Research; Goals of Research: Description, Explanation, Prediction, And Control of Behavior; Ethics of Research: Informed Consent, Anonymity, Confidentiality, Plagiarism.

Unit-2: Introduction to Research Process (15 Hrs.)

Research Questions; Literature Review; Different Sources of Information:

Primary, Secondary, Tertiary Source; Electronic Databases: Google Scholar,

Pubmed & Psycinfo; Hypothesis Sampling and Generalization - Population And

Sample; Probability Sampling: Simple Random Sampling, Systematic Sampling,

Stratified Sampling, Cluster Sampling; Sampling Bias and Nonprobability

Sampling: Snowball Sampling, Convenience; Types of Biological Data (Scales of Measurement) –

Nominal, Ordinal, Interval, Ratio; Types Of variables – Independent, Dependent, Confounding

Variable; Reliability & Validity.

Unit-3: Introduction to Research Design [15 Hrs.]

Cross-Sectional Studies and Its Advantages and Disadvantages; Cohort Studies

And Its Advantages and Disadvantages; Randomized Controlled Trials and Its

Advantages and Disadvantages; Factors Need to Be Considered When Designing a Study; Availability of Data, Sampling Methods, Data Collection, Cost of The Design, Time Implications and Loss to Followup, Controls, Ethical Issues, Issues of Bias and Confounding.

Unit-4: Principles and Methods of Teaching Yoga [15 Hrs.]

Teaching and Learning: Concepts and Relationship Between the Two;

Principles of Teaching: Levels and Phases of Teaching Principles and Types of Learning, Qualities of A Yoga Teacher, Yogic Levels of Learning, Vidyarthi,

Shishya, Mumukshu; Meaning and Scope of Teaching Methods, And Factors Influencing Them; Sources of Teaching Methods; Importance of Teacher Training.

TEXT BOOKS

1. Yogrishi Swami Ramdev; Yoga Manual for parents and Yoga Teachers, Divya Prakashan, Haridwar, 2010
2. Dr. Gharote ML & Dr S K Ganguly: Teaching methods for Yogic practices, Kaivalyadhama, Lonavala, 2007

BOOKS FOR REFERENCE

1. Dr. Shri Krishna: Notes on basic principles & methods of teaching as applied to Yogic practices and a ready reckoner of Yogic practices, Kaivalyadhama, Lonavala, 2009
2. Dr. Raj Kumar: Principles & methods of Teaching, Printo graphics, Delhi,
3. Saket Raman Tiwari & others: Teaching of Yoga, DPH Publishing Corporation, Delhi, 2007

University of Patanjali, Haridwar
Paper Name- Introduction to Upanishads
Paper Code- B.A. 502

Final Exam (SEE)-70 Marks
Internal Assessment (CT+TA)-30Marks

Objectives:

- Following the completion of this course, students shall be able to
- Understand the basic teachings of Upanishads.
- Apply the essence of Upanishads in life.

Course Outcomes:

On completion of this course, the students will be able to:

CO1:develop understanding of Principal Upanishads.

CO2:Explain about the concept of Vidya and Avidya.

CO3:become aware of the importance of Self-Realization and the greatness of Brahavidya.

CO4:know the concept of Prana and Rayi.

CO5:understand the different states of Consciousness.

CO6:become aware of the concept of Pancha-Kosha.

Unit-1: Introduction to Upanishads (15 Hours):

Etymology of The Word Upanishad, Meaning, Place of Upanishads in The Tradition of Vedic Literature, Evaluation of Upanishads, Opinions of Various Scholars About It, Importance of Upanishads.

Unit-2: - (15 Hours):

Ishavasyopanishad (Complete), Kenopanishad (Complete).

Unit-3: - (15 Hours)

Kathopanishad- First Chapter (First, Second, Third Valli)

Unit-4: - (15 Hours):

Taittiriya Upanishad-Shiksha Valli (XI Anuvaak), Mundakopanishad (Complete).

Unit-5: - (15 Hours):

Shvetashvataropanishad (Chapter 1-4)Chhandogyopanishad: Narada-Santkumar Dialogue (1-26 Vols.)

Prescribed Text Book

एकादशोपनिषद्- डा० सत्यव्रत विद्यालंकार, विजयकृष्ण नई-दिल्ली

Supporting Book

ईशादिनोपनिषद्-गीताप्रेस, गोरखपुर

कल्याण (उपनिषदांक)-गीता प्रेस, गोरखपुर

University of Patanjali, Haridwar
Paper Name- Clinical Psychology-I
Paper Code-I B.A. 503

Max Marks: 70
Time: 3 Hours

Course Objectives:

- To familiarize students with the basic Nature of Clinical Psychology and tools used for assessment psychological disorders.
- To introduce the etiological understanding and the therapeutic interventions for the various psychological problems.

Course Outcomes:

1. Clinical Psychology

- A. Nature of clinical Psychology
- B. Professional Issues: Roles, Ethics
- C. Training of the clinical Psychologist

2. Clinical Assessment

- A. Case History
- B. Clinical Interview
- C. Psychological Tests: MMPI and Rorschach Inkblot Test

3. Stress

- A. Meaning, types and factors affecting Stress
- B. Concept of Psycho-immunity
- C. Stress Management

4. Mental Health:

- A. Meaning and Components of Mental Health
- B. Factors influencing Mental Health
- C. Measures for Promoting Mental Health

5. Well-Being

- A. Wellbeing and self-growth: Types of wellbeing [Hedonic and Eudemonic], Character strengths, Resilience
- B. Life style and Chronic diseases
- C. Diabetes and Hypertension

Recommended Books:

1. Irwin, B.W. (1976). Clinical Methods in Psychology. New York: Willey Interscience.
2. Kendall. (1980). Modern Clinical Psychology, New York: Willey.
3. Korchin, S.J. (1976). Modern Clinical Psychology. New York: Basic Books.
4. Shaffer, G.W. & Lazarus, L.S. (1952). Fundamental concepts of clinical Psychology.
5. Wolberg, L.R. (1988). The Techniques of Psychotherapy (Vol. 1 & 2). London: Jason Aronson Inc.
6. Wolman, B.B. (1965). Handbook of clinical Psychology, New York: Mc Graw Hill.
7. Sing, A.K. (2013.) Uchatar Naidanic Manovigyan, (Advanced Clinical Psychology) 7th revised edition.
8. Khokhar. C.P. (2008) Stress Coping Behaviour, Meerut

University of Patanjali, Haridwar
Psychology of Personality
Paper Code-II B.A. 504

Max Marks: 70
Time: 3 Hours

Objectives:

- To familiarize students with the basic concept of personality, Types of personality and the use of basic measures of personality.

1. Introduction:

- A. Concept of Personality: Definition and nature of Personality
- B. Big five factors of Personality
- C. Personality Perspective: Indian, Psychoanalytic, Humanistic, Trait and Type (in brief)

2. Factors affecting Personality:

- A. Biological or Physical determinants
- B. Psychological determinants
- C. Social, Educational and Family Determinants

3. Fundamentals of personality theory:

- A. Nature of personality
- B. Historical Back ground of Personality theories
- C. Criteria of Evaluating personality theories

4. Theories of personality:

- A. Trigun theory of Personality
- B. Henry Murray- Need Theory of Personality
- C. Gordon All Port: Trait theory of Personality and Eysenck Theory

5. Enhancing Individual's potential

- A. Enhancing Cognitive Potential
- B. Self-Regulation
- C. Self enhancement

Recommended Books:

1. Corsini&Marsella (1983). Personality Theories, Research and Assessment. F.E. Peacock.
2. Burger, J. M. (2010). Personality (8th ed.). Belmont, CA: Wadsworth Publishing
3. Engler, B. (2008). Personality Theories: An Introduction (8th ed.). Boston: Houghton Mifflin.
4. Tripathi. R.B & Singh R.N. (2001). Psychology of Personality Varanasi: Gangasran and Grand Sons.

University of Patanjali, Haridwar
B. A. with Yoga Science- V Semester Paper-I B.A. 505
Destination Interpretation –World

Objective:

This model gives information of countries Tourist places of World importance and it helps students to know the background elements of Cultural & Natural Tourism Resources.

Unit- I

Europe: U.K. & France : To study the Eiffel Tower of France and Cassel Museum & Art Galleries of U.K.

Unit- II

Asia : China & Singapore : A brief analysis of Great wall and Forbidden city of China and evaluating resource attraction of Singapore Zoo, bird Park and Sentosa Island.

Unit- III

Africa : South Africa & Egypt : An exploratory study of Kruger National Park of South Africa & In-depth study of Pyramids of Giza of Egypt.

Unit- IV

America: USA & Brazil : A brief analysis of Disney land, Lakes & waterfalls of USA and the Rainforest & Carnival of Brazil.

Unit- V

Australia : To study the tourism attraction features of Sydney, Canberra.

Reference:

- Ahmad, Aizaz: General Geography of India, NCERT, New Delhi
- Goh Cheong Long: An Economics Atlas of India, Oxford University.
- World Atlas , Oxford press.
- Singh, R.L. (ed) India: A Regional Geography National Geographical Society of India, Varanasi, 1989.
- Manorama Year Book
- Indian Year Book, Publication Division, Govt. of India, New Delhi
- Tourism Planner.
- Tour Brochures of related places.
- Lonely Planet-India and related destinations.
- Websites of related destinations.

University of Patanjali, Haridwar
B. A (with Yoga Science)- V Semester Paper-II B.A.-506
Travel Formalities & Facilitation

Objectives:

Tourism industry is growing at very fast pace. In India the outbound tourism and inbound tourism are also growing. International tourism involves several types of formalities. The students of tourism should know about such formalities, which are needed in the form of several documents. In this course the students will learn about required documents in foreign travels.

Unit- I

Preparing Passport

Passport, requirements, checklists, types changes, procedure, tatkal scheme and fees, passport act and penalties under section 12(1)B, Online Application for Passport.

Unit- II

Rules and regulations about eligibility, quantum and documentation required for

Travel Out of India: Foreign Exchange Management Act, Basic Travel Quota, Foreign Exchange for Business Visits, Travel Insurance Traveling Into India: Foreign Currency, Indian Currency, Process for Encashment of Foreign Currency, Travel Insurance.

Unit- III

Obtaining Visas

Documents for obtaining visa of major tourist destinations of world including health check documents, Types of visa, visa fees, Refused of Pending Visas, Destination Departure Records.

Unit- IV

Visiting Tourist Destinations

Tourist visa for New Zealand and Australia, Tourist visa for Europe, Tourist visa of USA & Canada

Unit- V

Airport & Airline Code

IATA Codes: City, Airport & Airlines codes of India and world.

Reference:

- Websites of UK, USA, Canada and Australia
- Websites of Indian ministries and offices related to foreign exchange
- <http://passport.gov.in/pms/onlineRegistration.jsp>
- <http://passport.gov.in/>
- Galileo systems
- ABC & OAG Guide, TIM Air Tariff
- Visa formalities of different countries. (See websites of countries)

University of Patanjali, Haridwar
Paper Name- Yoga Practicum
Paper Code- B.A.-507

Final Exam (SEE)-70 Marks
Internal Assessment (CT+TA)-30Marks

Objectives:

- Following the completion of the course, students shall be able to:
- State techniques, health benefits, applications, precautions and contraindications of undermentioned yogic practices.
- To demonstrate and instruct undermentioned yogic practices.

Course outcomes

On completion of this course, the students will be able to:

CO1:develop understanding of different yogic techniques.

CO2:attain perfection to perform different yogic practices.

CO3:learn the practical interpretation of Shatkarma.

CO4:conduct practical sessions.

CO5:explain techniques of Pratyahara, Dharana and Dhyana.

Yogasanas

Karnapeedasana, Kapotasana, Rajkapotasana, Bakasana, Kukkutasana, Garbhasana, Marjariasana. Matsyendrasana, Sirsasana, Padangushthasana, Hastapadangushthasana, Garudasana, Vatayanasana, Natrajasana, Mayurasana, Ekpada Kandarasana, Dwipadakandarasana.

Pranayama (With Antar & Bahya Kumbhaka)

Bhastrika Pranayama., Bhramari Pranayama,

Bandh

Maha Bandha, Tri Bandha.

Shatkarma

Dhauti (Danda), Neti (Jala, Sutra), Trataka

Practice Leading to Meditation

Pranava and Soham Japa, Antar mouna, Dharana, Pracice of Dhyana, Breath Meditation, Om Meditation

Continuous Evaluation by The Teachers

University of Patanjali, Haridwar
Paper Name- Practicals
Paper Code- B.A. 508

1. Mental Health Inventory
2. Stress Scale for Students
3. Personality Test
4. Psycho-immunity scale for Adolescent

Note:-

The department has a right to change the practical depending on the availability of the apparatus, course content and recent developments.

Division of Marks:

Conduction of 01 Practical	:	20 Marks
Viva Voce	:	45 Marks
Practical Record Book	:	25 Marks
Internal Viva-Voce	:	10 Marks
Total	:	100 Marks

Note:

Any four practicals shall be conducted/administered by each student. One practical will be given to each student in a practical examination. The marks shall be awarded jointly by internal and external examiners. However, HOD will act as coordinator of the examination.

पतञ्जलिविश्वविद्यालयः, हरिद्वारम्

BA – तृतीयवर्षः (पञ्चमसत्रम्)

संस्कृतम्

Paper Code- 511

पूर्णाङ्काः – १००

आन्तरिकाङ्काः – ३०

बाह्याङ्काः – ७०

प्रथमपत्रम् - व्याकरणम्

उद्देश्य -

- १) पाठकों कःकृदन्त प्रत्ययों के सूत्रस्मरण एवं सूत्रव्याख्या के द्वारा प्रत्यय प्रयण में निष्णात कराना
- २) पाठकों कःकृदन्त प्रत्ययों के सूत्रस्मरण एवं सूत्रव्याख्या के द्वारा प्रत्यय प्रयण में निष्णात कराना
- ३) स्वादी व तिडादि प्रत्ययों के प्रयणपूर्वक छात्रों कःसंस्कृत भाषा प्रयण में निष्णात कराना
- ४) पाठकों में संस्कृत संख्या, अव्यय तथा गणों का परिचय प्रदान कराना
- ५) रचनानुवादकौमुदी के द्वारा अध्येताओं कःअनुवाद में दक्षता प्रदान कराना

परिणाम-

- १) पाठकों में कृत्प्रत्ययों के प्रयण में निष्णातता आती है
- २) पाठकों में कृत्प्रत्ययों के प्रयण में निष्णातता आती है
- ३) स्वादी व तिडादि प्रत्ययों के बाध से भाषा कौशल विकसित होता है
- ४) संस्कृतभाषा तथा संस्कृतसंख्यादी का उत्तम बाध प्राप्त होता है
- ५) अनुवाद में दक्षता प्राप्त होती है

इकाई (१) पूर्वकृदन्तम्

सूत्रस्मरणम्, सूत्रव्याख्या, प्रत्ययप्रयणः

इकाई (२) उत्तरकृदन्तम्

सूत्रस्मरणम्, सूत्रव्याख्या, प्रत्ययप्रयणः

इकाई (३) स्वादि-तिडादिप्रत्ययपरिचयः, प्रत्ययप्रयणः

इकाई (४) अव्ययप्रकरणम्, संख्यापरिचयः, गणपरिचयः, च (रचनानुवादकौमुद्यनुसारेण)

इकाई (५) रचनानुवादकौमुदी (४१-६० अभ्यासाः)

शब्दार्थः, नियमाः, अनुवादः, शुद्धीकरणम्, वाक्यपूर्तिः

निर्धारितग्रन्थाः -

- १) लघुसिद्धान्तकौमुदी – सुरेन्द्रदेवस्नातकः, चौखम्बा ओरियण्टालिया, दिल्ली
- २) रचनानुवादकौमुदी – डॉ० कपिलदेवद्विवेदी, विश्वविद्यालय प्रकाशन, वाराणसी

पतञ्जलिविश्वविद्यालयः, हरिद्वारम्
BA – तृतीयवर्षः (पञ्चमसत्रम्)
संस्कृतम्
Paper Code- 512

पूर्णाङ्काः – १००
आन्तरिकाङ्काः – ३०
बाह्याङ्काः – ७०

द्वितीयपत्रम् – साहित्यम्

उद्देश्य -

- १) ऋग्वेदादिभाष्यभूमिका का परिचय प्राप्त कराना
- २) नीतिविषयक अवगमन कराना
- ३) सद्वृत्तम् के द्वारा सद्व्यवहार का बोध कराना
- ४) चर्पटमंजरी के द्वारा भक्तियोग का परिचय कराना व संसार की निरर्थकता का बोध कराना
- ५) अर्वाचीन संस्कृत कवियों का ज्ञान कराना

परिणाम -

- १) ऋग्वेदादिभाष्यभूमिका से मुक्तिविषयक ज्ञान प्राप्त होता है
- २) मौलिक व नैतिक विषयों का अवगमन होता है
- ३) छात्रों में सद्व्यवहार, सदाचार और जीवन में सद्बुद्धि का विकास होता है
- ४) संसार की निरर्थकता व ईश्वरभक्ति में सार्थकता का बोध होता है
- ५) अर्वाचीन संस्कृत कवियों के कृतित्व व व्यक्तित्व का बोध होता है

इकाई (१) ऋग्वेदादिभाष्यभूमिका (मुक्तिविषयः)

श्लोक-मन्त्रव्याख्या, निबन्धात्मकप्रश्नाः

इकाई (२) नीतिशतकम् (५१-१०० श्लोकपर्यन्तम्)

श्लोकस्मरणम्, श्लोकव्याख्या, निबन्धात्मकप्रश्नाः

इकाई (३) सदृत्तम्

गद्यव्याख्या, निबन्धात्मकप्रश्नाः

इकाई (४) चर्पटमञ्जरी

श्लोकव्याख्या, निबन्धात्मकप्रश्नाः

इकाई (५) अर्वाचीन-संस्कृत-कविपरिचयः

प्रो. सत्यव्रतशास्त्री, डा. राजेन्द्रमिश्रः, डा. रमाकान्तशुक्लः, डा. राधावल्लभत्रिपाठी,
डा. रेवाप्रसादद्विवेदी

निर्धारितग्रन्थाः –

- १) ऋग्वेदादिभाष्यभूमिका - महर्षिदयानन्दसरस्वती, आर्षसाहित्य प्रचार ट्रस्ट, ब्रजवासी आर्ट, नोएडा
- २) नीतिशतकम् – भर्तृहरिः, चौखम्बा प्रकाशन, वाराणसी
- ३) चरकसंहिता-सूत्रस्थानम् – चरक, चौखम्बा प्रकाशन, वाराणसी
- ४) चर्पटमञ्जरी – शङ्कराचार्यः
- ५) शेमुषी – उत्तराखण्डसंस्कृतविश्वविद्यालयः, हरिद्वारम्

University of Patanjali, Haridwar

Paper Name - Yoga Therapy

Paper Code- B.A. 601

Final Exam (SEE)-70 Marks

Internal Assessment (CT+TA)-30Marks

• **Objectives:**

• Following The Completion of This Course, Students Shall Be Able To

• Understand The Basic Principles of Yoga Therapy.

• Have Knowledge of Different Techniques Used in Yoga Therapy to Cure General Ailments.

Course outcomes:

On completion of this course, the students will be able to:

CO1:develop understanding of different physical disorders.

CO2:understand specific yogic principles.

CO3:become aware of benefits and contra-indications of different practices.

CO4:recognize the importance of Asana, Pranayama and Meditation.

CO5:know the importance of Yogic Diet for healthy life.

Unit-1 (12 Hours)

Concept of Health: Meaning & Definition. Yoga Therapy: Meaning, Area, Boundaries, Purpose & Principles; Major Yogic Techniques Useful in Health Protection - Shatkarma, Asana, Pranayama, Mudra, Meditation.

Unit 2 (12 Hours)

Concept of Panchamahabhut, Panchkoshas and Shatchakra for Healthcare. Yoga Therapy- Rules and Precautions.

Unit 3 (12 Hours)

Yogic Management of Common Diseases Including Symptoms & Causes - Respiratory Disease: Sinusitis, Breathing Problem, Asthma, Common Cold, Digestive System Diseases - Constipation, Indigestion, Ulcers, Jaundice, Colitis.

Unit 4 (12 Hours)

Yogic Management of Common Diseases Including Symptoms & Causes - Circulatory System - High Blood Pressure, Low Blood Pressure, Heart Artery Blockage.

Unit 5 (12 Hours)

Yogic Management of Common Diseases Including Symptoms & Causes - Endocrine Gland Related Problems, Diabetes, Thyroid, Obesity, Bone/Muscle Related, Spondylitis (Cervical and Lumbar), Arthritis, Gouts, Gynaecology, Menstrual and Reproductive Diseases.

Reference Book

- Yoga Sadhana & Yoga Chikitsa Rahasya: Swami Ramdev
- Ayurveda Theory of Secrets: Acharya Balakrishna
- Yoga and Yoga Therapy: Ram Harsh Singh
- Yoga to Arogyindian Yoga Society
- Yogic Medicine Owner Kuvalayananda
- Yoga Therapy. Ishwar Bhardwaj
- Yoga and Roga, Swami Satyananda Saraswati

University of Patanjali, Haridwar

Paper Name -Introduction to Naturopathy & Alternative Medicine

Paper Code- B.A. 602

Final Exam (SEE)-70 Marks

Internal Assessment (CT+TA)-30Marks

Objectives:

- Following the completion of this course, students shall be able to
- Understand the basic principles of Naturopathy & Alternative Medicine.
- Have knowledge of different techniques used in Naturopathy & Alternative Medicine to cure general ailments.

Course Outcomes:

Following the completion of this course, students shall be able to

CO1:explain the basic concept of Naturopathy.

CO2:apply the different procedures nature cure.

CO3:apply the principles of hydrotherapy and enema.

CO4:apply the procedure of mud therapy and.

CO5:have knowledge of the fasting, diet and juice therapy.

CO6:know the sun-ray and massage therapy.

CO7:Students will come to know about alternative therapies to cure diseases

Unit-1:Introduction to Naturopathy (10 Hours): -

Meaning of Naturopathy, Definition, Purpose, Limitations. History - Western and Indian. Need and Importance, Basic Principles of Naturopathy. Measures to Increase Vitality.

Unit-2: - Hydro (Water) Therapy, Soil (Mud) Therapy and Sun Therapy (15 Hours):

Water Therapy - Importance (Including Classical References), Properties, Principles, Methods of Water Use and Major Medical Applications.

Mud (Soil) Therapy - Importance (Including Classical Reference), Properties, Principles, Methods of Soil Application and Major Medical Applications

Agni Tattva (Surya) Therapy - Importance (Including Classical References), Properties, Methods of Surya Medicine and Major Medical Applications

Unit-3: - Air (Prana) Therapy and Ether (Aakash) Therapy (15 Hours)

Air (Prana) Therapy: - Importance of Air (Including Classical References), Utility of Prana as Prana, Healing Effect of Pranayama, Applications of Air Therapy. Ether (Aakash) Therapy: - Meaning, Definition, Purpose, Principles and Types of Fasting. Classical and Medical Importance of Fasting.

Unit-4: - Acupressure and Marma Therapy (10 Hours):

The Meaning, Definition, Importance, History, Major Principles and Medical Applications of Acupressure. Meaning, Importance, History and Major Principles of Marma Healing. Introduction to Key Marma Points. Methods of Awakening the Marma Points, Major Applications of Marma Therapy.

Unit-5: - Yajnopathy (10 Hours)

Introduction to Yajna- Interpretation, Definition, Significance (Including Classical References) Of The Word Yajna (Panch Mahayajna), Yajna Method. Concept of Yajnopathy (Yajna as Medicine), Medical Importance and Applications, Scientific Research On Yajna Medicine.

Prescribed Text Book

1. Prakritik Ayurvedigyan - Dr. Rakesh Jindal
2. Acupressure - Dr. Atar Singh
3. Marma Chikitsa Vigyan - Prof. Sunil Kumar Joshi, Mrityunjay Mission.
4. Yajnopathy-Brahmavarchas, Shanti Kunj, Haridwar.

University of Patanjali, Haridwar
CLINICAL PSYCHOLOGY-II
Paper Code-I B.A. 603

Max Marks: 70
Time: 3 Hours

Objectives:

- To familiarize students with the types of psychological disorders, their symptoms, Causes and the Intervention.

1. *Introduction:*

- A. Difference between Normality and Abnormality
- B. Mental Disorder: Indian and western thoughts
- C. Brief Introduction about DSMVth and ICD-10

2. *Neurosis:*

- A. Difference between Neurosis and Psychosis
- B. Phobia (Symptom, Causes and treatment)
- C. Obsessive Compulsive Disorder (Symptom, causes and treatment)

3. *Mood Disorders:*

- A. Depression (Meaning, signs and Symptom)
- B. Types of depression (Persistent depressive disorder , Psychotic depression, Seasonal affective disorder, Bipolar disorder and treatment of Depression)**

4. **Childhood Disorders:**

- A. Mental Retardation (Meaning, Clinical types, causes and treatment)

B. Juvenile Delinquency (Meaning, Causes and treatment)

5. Clinical Intervention:

- A. Psychotherapy
- B. Behavior Therapy

Recommended Books:

1. Irwin, B.W. (1976). *Clinical Methods in Psychology*. New York: Willey Interscience.
2. Kendall. (1980). *Modern Clinical Psychology*, New York: Willey.
3. Korchin, S.J. (1976). *Modern Clinical Psychology*. New York: Basic Books.
4. Shaffer, G.W. and Lazarus, L.S. (1952). *Fundamental concepts of clinical Psychology*.
5. Wolberg, L.R. (1988). *The Techniques of Psychotherapy (Vol. 1 & 2)*. London: Jason Aronson Inc.
6. Wolman, B.B. (1965). *Handbook of clinical Psychology*, New York: Mc Graw Hill.
7. Sing, A.K. (2013.) *Uchatar Naidanic Manovigyan, (Advanced Clinical Psychology) 7th revised edition*.

University of Patanjali, Haridwar
Paper Name- Principles and Applications of Ounseling
Praper Code-II B.A. 604

Max Marks: 70
Time: 3 Hours

Objectives:

- To develop an understanding of basic concepts, process and technique of counseling
- To enable the learner with the challenges of counseling.

1. Introduction:

- A. Meaning, definition and goals of counseling
- B. Scope of Counselling
- C. Skill of the counsellor and ethical issues in counselling

2. *Counseling process:*

- A. Characteristics of the counselling climate
- B. Creation of Counselling Climate
- C. Structuring the counselling process: main stages

3. *Approaches to counselling:*

- A. Rational emotive behavior therapy
- B. Behavioral Approach
- C. Indian techniques

4. *Educational counseling:*
 - A. Counseling at elementary school and college level
 - B. Counseling for career planning
 - C. Counselling students having behavioral problems

5. *Counseling applications:*
 - A. Application of Yoga in Counselling
 - B. Counseling for parents
 - C. Family counselling

University of Patanjali, Haridwar
Paper Name- Business Communication
Paper Code-I B.A.605

Unit- I

Concept & Meaning:-

Def, Need and importance of Communication in Tourism. Main components of Communication process.

Unit- II

Verbal Communication

Meaning, Definition, type, advantage and disadvantage of verbal communication. Barriers in effective communication. Group Discussion, Debates and differences among them.

Unit- III

Written Communication

Typology of written communication and methods of preparing reports, proposal, circular memo, drafting, letters business letters, Resume writing.

Unit- IV

Oral Communication

Typology of verbal communication and essential qualities of good speaker and traits of a good listener. Interview and Interview Skills, Self Introduction.

Unit- V

Non Verbal Communication:

Meaning, definition, type, need & importance of Non Verbal Communication, Presentation & Presentation skills.

Reference:

- Sri Jin Kushal- Business Communication, VK Global Publication Pvt. Ltd.
- K.K. Sinha- Business Communication, Published-1999.
- Tata McGraw-Hill edition, 2009-Business Communication.
- Sharma Mohan-Business Correspondence and report writing, 2002
- Business Communication – Rajendra Pal

University of Patanjali, Haridwar
Paper Name- Educational Tour
Paper Code-II B.A. 606

The Department will organize a one day educational tour during VI Sem, to any of the nearest destination in Haridwar. On Completion of the tour each student shall be required to submit a Project Report (Minimum around 50 pages) to the H.O.D. Tourism, within 15 days of completion of Tour. The report shall be evaluated jointly by the internal & external examiner followed by Viva Voce. The Project report shall incorporate:-

Details of attractions seen during the destination visited.

- Accessibility to process, information of the destination.
- General Information on Tourism.
- Introduction to Patanjali Group.
- Details of Tourism Stake holders.

Recommended Destinations:

- a) Patanjali Yog Gram, Haridwar
- b) Patanjali Food & Herbal Park, Padartha, Haridwar
- c) Shanti Kunj, Haridwar
- d) Chilla Power Plant, Haridwar.
- e) Rajaji National Park, Chilla Haridwar

Recommended Books:

1. Gelso, Charles & Fretz, B. R. (1995). Counseling psychology, New York, PrisoM Harcourt Brace.
2. Nystul, M.S, (2001). Introduction to counseling, New Mexico State University, Allyn and Bacon.
3. Palmer S & Mc Mohan G (1997). Handbook of counseling psychology, Landon, British association for counseling.
4. Pietrofesa, J.J et at (1978). Counseling- theory research & practice, Chicago Rand Mc Nally.
5. Rao, S.N. (2001). Counseling Psychology, New Delhi, Tata Mc Graw Hill.
6. Robert, L. G. (2005). Introduction to counseling & guidance, New Delhi, Pearson education.
7. Shertzer, N & Stone SC (1971). Fundamentals of counseling, IInd edition, Boston Houghton, Mifflin.

University of Patanjali, Haridwar
Paper Name -Yoga Practicum
Paper Code- B.A. 607

Final Exam (SEE)-70 Marks

Internal Assessment (CT+TA)-30Marks

- **Objectives:**
- Following the completion of the course, students shall be able to:
- State techniques, health benefits, applications, precautions and contraindications of undermentioned yogic practices; & 2) To demonstrate and instruct undermentioned yogic practices.

Course outcomes

On completion of this course, the students will be able to:

CO1:develop understanding of different yogic techniques.

CO2:attain perfection to perform different yogic practices.

CO3:learn the practical interpretation of Shatkarma.

CO4:conduct practical sessions.

CO5:explain techniques of Pratyahara, Dharana and Dhyana.

Yogasana (Advance- Purna)

Bhujang, matsyendra, pakshi, vrischik, padm-mayura, padm-shirsh, karnapeed. dhanur, goraksha, chakra, omkar, natraj, shalabha.

Dhyanatmak Asanas and Other Practices Leading to Meditation

Sukhasan, Siddhasan, Simhasan, Bhadrasan, Swastikasan, Gaurakshasan, Vajrasan, Pranay and Soham Japa; Yoga Nidra (1,2,3); Antarmauna; Ajapa Dharana (Stage 1, 2, 3)

Mudra

Kaki Mudra, Tadagi Mudra, Vipareet Karni Mudra, Simha Mudra, Nasagra Mudra, Bhuchari Mudra, Ashwini Mudra, Mahavedha Mudra.

Shatkarma

Vastra Dhauti, Shankh-prakshalan

Practices Leading to Meditation

Ajapa Dharana (Stage 4,5,6), Yoga Nidra (4,5), Practices leading to Breath Meditation, Practices leading to Om Meditation

Continuous Evaluation by The Teachers

University of Patanjali, Haridwar
Paper Name-Practical
Paper Code-B.A. 608

- Case study in groups of 3 to 4 students

Division of Marks:

Viva Voce	:	75 Marks
Practical Record Book	:	15 Marks
Internal Viva-Voce	:	10 Marks
Total	:	<hr/> 100 Marks <hr/>

The marks shall be awarded jointly by internal and external examiners. However, HOD will act as coordinator of the examination.

पतञ्जलिविश्वविद्यालयः, हरिद्वारम्
BA – तृतीयवर्षः (षष्ठसत्रम्)
संस्कृतम्
Paper Code- 611

पूर्णाङ्काः – १००
आन्तरिकाङ्काः – ३०
बाह्याङ्काः – ७०

प्रथमपत्रम् - व्याकरणम्

उद्देश्य -

- १) पाठकों क०स्त्रीप्रत्यय के सूत्र सहित व्याख्या के द्वारा प्रत्यय प्रयुक्तता में निष्णातता प्राप्त कराना
- २) छात्रों क०तद्धित प्रत्यय के सूत्रसहित व्याख्या के द्वारा प्रत्यय व्यवहार में प्रवीणता प्राप्त कराना
- ३) छात्रों क०तद्धित प्रत्यय के सूत्रसहित व्याख्या के द्वारा प्रत्यय व्यवहार में प्रवीणता प्राप्त कराना
- ४) निबंध लेखन में प्रवीणता प्राप्त कराना
- ५) अनुवाद में दक्षता प्राप्त कराना

परिणाम-

- १) स्त्री प्रत्यय के प्रयुक्तता में निष्णातता प्राप्त होगी है
- २) तद्धित प्रत्यय से व्यवहार में कुशलता प्राप्त होगी है
- ३) तद्धित प्रत्यय से व्यवहार में कुशलता प्राप्त होगी है

- ४) इकाई ४-निबंध लेखन में प्रवीणता प्राप्त होती है
५) इकाई ५-अनुवाद की दक्षता प्राप्त होती है

इकाई (१) स्त्रीप्रत्ययप्रकरणम्

सूत्रस्मरणम्, सूत्रव्याख्या, प्रत्ययप्रयोगः

इकाई (२) तद्धितप्रकरणम् – क (अपत्याधिकारः, चातुरर्थिकाः)

सूत्रस्मरणम्, सूत्रव्याख्या, प्रत्ययप्रयोगः

इकाई (३) तद्धितप्रकरणम् – ख (मत्वर्थीयाः, शैषिकाः)

सूत्रस्मरणम्, सूत्रव्याख्या, प्रत्ययप्रयोगः

इकाई (४) रचनानुवादकौमुदीगत-निबन्ध-पत्रलेखनम् (१-१०)

इकाई (५) अनुवादः (सम्पूर्णरचनानुवादकौमुदी)

आर्यभाषातः संस्कृतभाषायाम्, संस्कृतभाषातः आर्यभाषायाम्

निर्धारितग्रन्थाः –

- ३) लघुसिद्धान्तकौमुदी – सुरेन्द्रदेवस्नातकः, चौखम्बा ओरियण्टालिया, दिल्ली
४) रचनानुवादकौमुदी – डॉ० कपिलदेवद्विवेदी, विश्वविद्यालय प्रकाशन, वाराणसी

पतञ्जलिविश्वविद्यालयः, हरिद्वारम्

BA – तृतीयवर्षः (षष्ठसत्रम्)

संस्कृतम्

Paper Code- 612

पूर्णाङ्काः – १००

आन्तरिकाङ्काः – ३०

बाह्याङ्काः – ७०

द्वितीयपत्रम् – साहित्यम्

उद्देश्य -

- १) भासविरचित मध्यमव्यायोग नाटक में सन्निहित कथा का बोध कराना
- २) अभिज्ञानशाकुंतल के चतुर्थांक में सन्निहित शकुंतला के विदाई में कण्वोपदेश का बोध कराना
- ३) काव्यप्रकाश के द्वारा छात्रों को कारिका व गद्य - पद्य की व्याख्या का बोध प्रदान कराना
- ४) लोकसंव्यवहारप्रवृत्ति ग्रंथ का श्लोक स्मरण व श्लोक व्याख्या पूर्वक परिचय कराना
- ५) लोकसंव्यवहारप्रवृत्ति ग्रंथ का श्लोक स्मरण व श्लोक व्याख्या पूर्वक परिचय कराना

परिणाम -

- १) मध्यमव्यायोग नाटक में सन्निहित नाट्य कौशल से छात्र अवगत होते हैं
- २) राजा दुष्यंत और शकुंतला की कथा से पाठक अवगत होते हैं
- ३) छात्रों को कारिका व गद्य - पद्य व्याख्या का बोध होता है।
- ४) लोकसंव्यवहारप्रवृत्ति ग्रंथ के द्वारा लोक-व्यवहार का पाठकों को बोध होता है।
- ५) लोकसंव्यवहारप्रवृत्ति ग्रंथ के द्वारा लोक-व्यवहार का पाठकों को बोध होता है।

इकाई (१) मध्यमव्यायोगः

श्लोकव्याख्या, निबन्धात्मकप्रश्नाः

इकाई (२) अभिज्ञानशाकुन्तलम् - चतुर्थाङ्कः

श्लोकव्याख्या, निबन्धात्मकप्रश्नाः

इकाई (३) काव्यप्रकाशः - प्रथमोल्लासः

कारिकाव्याख्या, गद्य-पद्यव्याख्या, निबन्धात्मकप्रश्नाः

इकाई (४) लोकसंव्यवहारप्रवृत्तिः (१-५० श्लोकपर्यन्तम्)

श्लोकस्मरणम्, श्लोकव्याख्या, निबन्धात्मकप्रश्नाः

इकाई (५) लोकसंव्यवहारप्रवृत्तिः (५१-१०० श्लोकपर्यन्तम्)

श्लोकस्मरणम्, श्लोकव्याख्या, निबन्धात्मकप्रश्नाः

निर्धारितग्रन्थाः –

- १) मध्यमव्यायोगः – भासः, चौखम्बा प्रकाशन, वाराणसी
- २) अभिज्ञानशाकुन्तलम् – काळिदासः, श्रीकृष्णमणित्रिपाठी, चौखम्बा प्रकाशन, वाराणसी
- ३) काव्यप्रकाशः – आचार्यविश्वेश्वरः, चौखम्बा प्रकाशन, वाराणसी
- ४) लोकसंख्यवहारप्रवृत्तिः – डॉ० विजयपालशास्त्री, राष्ट्रियसंस्कृतसंस्थानम्, दिल्ली

University of Patanjali, Haridwar
Paper Name- Introduction to Environment
Paper Code- EVN 06

समय: 3 घंटा
कुल अंक 100

इकाई (1)

पर्यावरण (Environment): परिभाषा, संरचना एवं प्रकार, पर्यावरण के अध्ययन का उद्देश्य, क्षेत्र व महत्व, भारतीय संस्कृति के परिप्रेक्ष्य में पर्यावरण संरक्षण व उसका महत्व ।

इकाई (2)

पारिस्थितिक तंत्र एवं जैविक विविधता (Ecosystem and Biodiversity): पारिस्थितिक तंत्र की क्रिया, घटक, पिरामिड, पारिस्थितिक तंत्र को विशेषताएं व प्रकार। जैविक विविधता की परिभाषा, स्तर, महत्व। भारत की विक विविधता, जैव विविधता के राष्ट्रीय व अंतर्राष्ट्रीय संरक्षण के प्रयास ।

इकाई (3)

पर्यावरण प्रदूषण का वर्गीकरण (Classification of Environment Pollution): परिभाषा, प्रदूषण, वायु प्रदूषण, जल प्रदूषण, मृदा प्रदूषण, ध्वनि प्रदूषण, नाभिकीय प्रदूषण, उनके कारण, प्रभाव, नियंत्रण एवं बचाव ।

इकाई(4)

जनसंख्या एवं प्रदूषण (Population and Environment): पर्यावरण एवं जनसंख्या दबाव, जनसंख्या विस्फोट का पर्यावरण पर प्रभाव एवं मानव स्वास्थ्य, पर्यावरण व मानव स्वास्थ्य में सूचना प्रौद्योगिकी की भूमिका ।

इकाई (5)

पर्यावरण संरक्षण सम्बन्धित कानून (Legislation relating to Environment Conservation): कीटनाशक अधिनियम-1965, वन्यजीव अधिनियम- 1972, जल (प्रदूषण निवारण एवं नियंत्रण) अधिनियम

1974 वायु (प्रदूषण निवारण एवं नियंत्रण) अधिनियम **1981**, पर्यावरण (संरक्षण) अधिनियम, **1986** 1 पर्यावरण संरक्षण में भारतीय प्रयास।

संदर्भ पुस्तक: पर्यावरण एक संक्षिप्त अध्ययन: डॉ. मधु अस्थ

नोट: सभी छात्रों को इस विषय को नातीर्ण करना अनिवार्य होगा तथा उत्तीर्णांक **360** होंगे। कोई से पांच प्रश्न करने होंगे।

Revised Syllabus
University of Patanjali- 2019-2020

BACHELOR OF SCIENCE IN YOGA
(BSC YOGA)

Syllabus of BSc Yoga

UOP





University of Patanjali

Uttarakhand, Haridwar

Syllabus of BSc Yoga

NAME of PROGRAM: BACHELOR OF SCIENCE IN YOGA (BSc Yoga)

Preamble

The tradition of Yoga has always been passed on individually from teacher to student through oral teaching and practical demonstration. The formal techniques that are now known as Yoga are, therefore, based on the collective experiences of many individuals over many thousands of years. The particular manner in which the techniques are taught and practiced today depends on the approach passed down in the line of teachers supporting the individual practitioner. Yoga is essentially a spiritual discipline based on an extremely subtle science, which focuses on establishing harmony between mind, body; thought and action; restraint and fulfilment; harmony between man and nature and a holistic approach to health and wellbeing.

Yoga is not about exercise but to discover the sense of oneness with ourselves, the world and Nature. It is an art and science for healthy living. The word "Yoga" is derived from the Sanskrit root 'yuj' meaning "to join", "to yoke" or "to unite". Therefore the aim of Yoga is to unite the individual consciousness with the supreme consciousness.

Yoga is a science and art of living; also it is a body of techniques that lead us to consciously connect with ourselves and with life, the experience of Yoga. As Yoga is an art and science, there is no dogma or belief system attached to it. Yoga tells us to do a certain practice and feel their effects following the practice, e.g. if we breath slowly in a relaxed manner we will slow our heart rate; if we focus the mind we will develop mental peace and deep insight.

In addition to this, Yoga is becoming popular day by day and has become a wave which is sweeping across the globe. In this course we introduce Yoga as a science of **Holistic Living** and not merely as Yoga postures. During the course the student is taught the concepts of Yoga for the treatment and prevention of various psychosomatic ailments. This course looks at training the enthusiasts to become Yoga therapist so that they could teach Yoga under the supervision of a doctor for health and healing. **This Choice Based Credit System (CBCS) based** course has the vision of producing yoga professional so that they could teach yoga therapy in a paramedical department of a hospital with the ability to select specific safe practice modules for different diseases.

I. Title of the Programme

The programme shall be called "**Bachelor of Science in Yoga**" (BS)

II. Aim of the Programme

The aim of the programme is to produce "**Yoga Therapists for a clinical set up**".

III. Objectives of the programme

1. To introduce Yoga therapy with its principles, factors, impacts; and to prescribe Yoga therapy for people with various lifestyle disorders.
2. To make the people aware of the therapeutic and preventive value of Yoga.
3. To bring peace and harmony in the society at large by introducing the Yogic way of life.
4. To create therapists of high calibre to make the society free free from stress and life style related diseases.

IV. Duration

The minimum duration of the programme will be three years (6 semesters) and the maximum duration will be six years.

V. Eligibility

The candidate should have completed 12th Standard preferably with science discipline from a recognized board or equivalent.

VI. Scheme of Teaching and Evaluation

Continuous Internal assessment (CIA): The theoretical courses will be assessed based on any or all of the following-written tests, assignments, presentations and regularity in the class. Assessment of the practical courses will be based on any or all of the following - regularity, practical records, procedure of the techniques taught, viva etc. The dissertation will be assessed based on the regular interaction with the supervisor, regular presentation of work, completion of assigned tasks, thesis submission, viva etc. The internal evaluation will be carried out throughout the term and it will comprise 40% of the final grade. Participation of students in quiz, seminar, workshop, games, yoga and other extra-curricular activities will be promoted and facilitated by the department.

End Semester Examination (ESE): The theoretical courses will be assessed based on written exam, which may be essay type and short notes. This will cover the entire syllabus. Assessment of the practical courses will be based on performing and/or description of experiments, maintaining of the practical records, viva etc. The dissertation will be assessed based on the thesis reported, viva etc. The end of semester examination comprises 60% of the final grade. Both internal and End semester evaluations will be on offline mode only.

VII. PROGRAM EDUCATION OUTCOMES (PEOs):

Following the completion of the program, the students will be able

PEO 1 – To understand about origin, history and development of Yoga.

PEO 2 – To understand the colloquial words of Sanskrit.

PEO 3 – To have an idea about the structure of the body and necessary functions of the body.

PEO 4 – To apply the idea of Yoga therapy in recovering the common health related complication.

PEO 5 – To identify the problem, review research literature, analyze, and design the experiments and identify solutions in clinical Yoga therapy using specific modern tools.

PEO 6 - To have an idea regarding the traditional System of Medicine

PEO 7 – To understand the health conditions in the society with specific reasons, and introduce the practices to assess the common health conditions, incorporate health measures, and introduce the techniques for the people dwelling in the community.

PEO- 8 – To apply ethical principles and commit to professional ethics and responsibilities and norms of the Yoga therapy practices.

PEO- 9 – To apply the idea of Yoga practical in field, hospital, school and society.

PEO- 10 – To understand about the nature of major principal Upanishads.

PEO-11 – To function effectively as an individual and as a leader in a multi specialty health set up.

PEO – 12 - To communicate effectively on complex Yoga therapy practices, techniques with the society at large, and able to have a perception, make effective presentations, and give instruction for a solution.

PEO-13 - To work efficiently and develop a protocol for a particular disease based on the instruction of a Medical Specialist.

VIII. PROGRAM OUTCOMES (PO):

Basic and applied idea : Interdisciplinary idea to find solution for diverse health complications.

Problem analysis: Ability to analyze a complication with the help of a specialist and develop a day wise protocol for the recovery of acute and chronic health conditions.

Advanced Usage of Technology: Ability to use the technology to under the severity of a condition using the basic medical equipments such as Pulmonary function test, PEFr, BP, HR, Hb%, SpO₂, Anthropometric measurements, BMI, BMR, and RMR. EEG, and Psychophysiology measurements, ECG & GSR.

Ethics: Develop personal and professional ethics for carrying out the responsibilities in a smooth manner.

IX. PROGRAM SPECIFIC OUTCOMES (PSOs):

After completion of UG course, the students will be able:

PSO-1- To understands the basic principles and applications of Yoga.
PSO - 2- To understand the principles of Anatomy, Physiology, Hatha yoga, classical yoga, Patho-physiology of diseases, Nutrition & Dietetics, Health Psychology, Practical Yoga & Yoga therapy to have in-depth To Have a perception about a diseases and the Yoga therapy techniques to be given for their recovery.

PSO-3- To appreciate the importance of Yoga and its relevance in the society.

PSO-4- To realize the miracles of Yoga therapy techniques in getting rid of a disease.

PSO-5- To understand theoretical as well as practical aspects of Yoga and its related techniques to understand diseases from every dimension.

PSO-6- To realize the effect of Advance Yoga techniques and their use in the treatment of many highly complicated non-communicable diseases.

PSO-7- To have an indepth To Have a perception about the vital concepts of Nutrition and dietetics for suitable management of the diet for various diseases.

PSO-8- To understand the role of psychology in the manifestation of wide range of non-communicable diseases.

PSO-9- To appreciate the principles of the Yoga and their techniques and how do those concepts get reflected in the disease manifestation.

PSO-10- To integrate the principles given in the ancient texts with the modern idea of the manifestation of the diseases.

Semester I										
S.No.	Course Code	Course Title	Periods per Week			Evaluation Scheme				Course Total
			L	T	P	Seasonal			SEE	
						Credit	CT	TA		
1	BS-CT101	Foundations of Yoga	3	1	-	4	20	10	70	100
2	BS-CT102	Hatha Yoga - I	3	1	-	4	20	10	70	100
3	BS-CT103	Human Biology -I	3	1	-	4	20	10	70	100
4	BS-AECCT104	Basics of Sanskritam -I	2	-	-	2	10	5	35	50
5	BS-GE105	GE-1 Introduction to AYUSH	2	-	-	2	10	5	35	50
6	BS-CP106	Yoga Practicum- 1	-	-	8	4	20	10	70	100
7	BS-CP107	Yoga Practicum- 2	-	-	4	2	10	5	35	50
8	BS-CP108	Human Biology Practicum I	-	-	4	2	10	5	35	50
32 Hrs						24	Total			600
Semester II										
1	BS-CT201	Patanjala Yoga Darshana	3	1	-	4	20	10	70	100
2	BS-CT202	Hatha Yoga -II	3	1	-	4	20	10	70	100
3	BS-CT203	Human Biology -II	3	1	-	4	20	10	70	100
4	BS-AECCT204	Basics of Sanskritam -II	2	-	-	2	10	5	35	50
5	BS-GE205	GE-2 Health & Yogic Hygiene	2	-	-	2	10	5	35	50
6	BS-CP206	Yoga Practicum- 3	-	-	8	4	20	10	70	100
7	BS-CP207	Yoga Practicum- 4	-	-	4	2	10	5	35	50
8	BS-CP208	Human Biology Practicum II	-	-	4	2	10	5	35	50
32 Hrs						24	Total			600

B.SC-II Year

Semester III										
1	BS-CT301	Essence of Bhagwad Geeta for Holistic Living	3	1	-	4	20	10	70	100
2	BS-CT302	Introduction to Holistic Health	3	1	-	4	20	10	70	100
3	BS-CT303	Applied Yoga	3	1	-	4	20	10	70	100
4	BS-AECCT304	Environmental Studies	2	-	-	2	10	5	35	50
5	BS-GE305	GE-3 Yoga Psychology	2	-	-	2	10	5	35	50
6	BS-CP306	Yoga Practicum-5	-	-	8	4	20	10	70	100
7	BS-CP307	Yoga Practicum 6	-	-	4	2	10	5	35	50
8	BS-FW308	Field Work to establish Yoga teachings of Yogrishi Sw. Ramdev Ji	-	-	4	2	10	5	35	50
32 Hrs						24	Total			600

Semester-IV										
1	BS-CT401	Essence of Principal Upanishads	3	1	-	4	20	10	70	100
2	BS-CT402	Methods of Teaching Yoga	3	1	-	4	20	10	70	100
3	BS-CT403	Fundamentals of Biochemistry/ Biomechanics	3	1	-	4	20	10	70	100
4	BS-AECCT404	Communicative English-I	2	-	-	2	10	5	35	50
5	BS-GE405	GE-4 Yoga Diet and Nutrition	2	-	-	2	10	5	35	50
6	BS-CP406	Yoga Practicum 7 Teaching Skills	-	-	8	4	20	10	70	100
7	BS-CP407	Yoga Practicum 8	-	-	4	2	10	5	35	50
8	BS-CP408	Practicum Biochemistry & Biomechanics.	-	-	4	2	10	5	35	50
32 Hrs							24	Total		600

B.SC-III Year

Semester-V										
1	BS-CT501	Introduction To Indian Philosophy And Vedic Culture	3	1	-	4	20	10	70	100
2	BS-CT502	Yoga Therapy-I	3	1	-	4	20	10	70	100
3	BS-CT503	Complementary and Alternative Therapy (CAT)	3	1	-	4	20	10	70	100
4	BS-AECCT504	Communicative English-II	2	-	-	2	10	5	35	50
5	BS-DSE505	Human System According to Yoga	2	-	-	2	10	5	35	50
6	BS-CP506	Yoga Practicum -9 Disease specific Yoga Therapy Modules	-	-	8	4	20	10	70	100
7	BS- ST507	Yoga Practicum- 10 Study Tour	-	-	4	2	10	5	35	50
8	BS-CP508	CAT Practicum	-	-	4	2	10	5	35	50
32 Hrs							24	Total		600
Semester-VI										
1	BS-CT601	Yoga and Human Values	3	1	-	4	20	10	70	100
2	BS-CT602	Yoga Therapy-II	3	1	-	4	20	10	70	100
3	BS-CT603	Research Methodology & Statistics	3	1	-	4	20	10	70	100
4	BS-AECCT604	Introduction to Naturopathy	2	-	-	2	10	5	35	50
5	BS-DSE605	Introduction to Ayurveda	2	-	-	2	10	5	35	50
6	BS-CP606	Yoga Practicum -11 Disease specific Yoga Therapy Modules	-	-	8	4	20	10	70	100
7	BS-CP607	Yoga Practicum- 12	-	-	4	2	10	5	35	50
8	BS-CP608	Practical Research & Statistics	-	-	4	2	10	5	35	50
32 Hrs							24	Total		600
Total Credit							144			3600

CT- Core Theory, **CP-** Core Practical, **AECCT-**Ability Enhancement Compulsary Core Theory. **AECT-** Ability Enhancement Elective Core Theory, **DSE** - Discipline Specific Elective, **GE-**Generic Elective, **L** - Lecture, **T-** Tutorial, **P-** Practical (practice/ field), **CT-** Cumulative Tests, **TA** - Teachers Assessment, **SEE** - Semester Examination, **PR-** Practical Record,

Semester-I

COURSE DETAILS

Course Title: FOUNDATION OF YOGA

Course Code: BS-CT101

Final Exam (SEE)-70 Marks

Internal Assessment (CT+TA)-30Marks

Course Objectives:

The Course entitled 'Foundation of Yoga' has the following objectives:

- Students of the UG course will have an outline about origin, history and development of Yoga.
- They will have an idea about the insights of different Yoga streams.
- Introduction about Yoga according to various Yogic texts, eminent Yogis.
- Quote references of each practice as per traditional texts.

Course outcomes:

On completion of this course, the students will have:

CO1. To explain and summarize about the Evolution of Yoga based on the classical texts.

CO2. To illustrate the basic theories and practices of Shad-Darshanas.

CO3. To interperate the concepts of Jnana, Bhakti and karma Yoga.

CO4. Classifying different Schools of Yoga.

UNIT-1: GENERAL INTRODUCTION TO YOGA [15HRS.]

Brief about origin of Yoga: Psychological aspects of Yoga, History and Development of Yoga: prior to the Vedic period, Vedic period, Medieval period, modern era; Etymology and Definitions of Yoga, Aims and Objectives of Yoga, Misconceptions about Yoga; Importance of Yoga.

UNIT-2: DIFFERENT STREAMS OF YOGA [20HRS.]

Jnana Yoga: Meaning of Jnana and Jnana-Yoga, Sadhana-chatushtaya, Means of Jñāna, Bhakti Yoga: Meaning of Bhakti and Bhakti-Yoga, Stages of Bhakti, Types of Bhakti, Means of Bhakti-Yoga; Karma Yoga: Meaning of Karma and Karma-Yoga, Concept of Nishkama Karma, Means of Karma Yoga; Inter-relationship between Bhakti Yoga, Karma-Yoga and Jnana Yoga.

UNIT - 3: BRIEF ABOUT YOGA IN TEXTS – I [15HRS.]

Brief of Yoga in Vedas and Yoga in Principal Upanishads, Yogic perspective: Bhagavad Gita, Yoga Vasishtha, Narada Bhakti Sutras. Yogic perspective: Puranas with emphasis to Bhagavat Purana; Emphasis to Vedantic approach of Shankaracharya, Ramanujacharya, Madhvacharya and Vallabhacharya.

UNIT-4: INTRODUCTION TO EMINENT YOGIS- II [15 HRS.]

Introduction to eminent Yogis and their style of Yoga: Hiranyagarbha, Vyasa, Kapilmuni, Bhurtrihari, Adishankaracharya, Maharshi Dayanand, Swami Vivekanand, Maharshi Arvind, Swami Kuvalyanand, Swami Shivanand, Yogrishi Swami Ramdev.

TEXT BOOKS

1. Yogrishi Swami Ramdev Ji : Yog ke moolbhut Sidhhant, Divya Prakashan, Haridwar.
2. Acharya Balkrishna: Grihasth Yog Sadhak k Gun, Divya Prakashan, Haridwar, 2017.
3. Singh S P & Yogi Mukesh: Foundations of Yoga, Standered Publication, New Delhi, 2010.
4. Yogendra Purushartha (Sw. Divyananda Saraswati): Vedo me Yog Vidya, Yogic Sodhsansthan, 1985.
5. Paul Brunton: A search in secret India, Riders Books, 2003

6. Yogrishi Swami Ramdev Ji: Ek Yogi Ek Yodhha, Divya Prakashan, Haridwar, 2015.
7. Sri Vishwanath Mukharji: Bharat ke Mahan Yogi, Vishvavidyalaya Prakashan, 2012

BOOKS FOR REFERENCE

1. Acharya Balkrishna: Yog Vishwakosh, Divya Prakashan, 2014.
2. Agarwal M M: Six systems of Indian Philosophy, Chowkhambha Vidya Bhawan, varanai, 2010.
3. Swami Bhuteshananda: Nararad Bhakti Sutra, Advaita Ashrama Publication-Dept. Kolkata, II Edition, 2009
4. Radhakrishnan S: Indian Philosophy, Oxford University, UK (Vol. I & II) II Edition, 2008
5. Max Muller K. M: The six systems of Indian Philosophy, Chukhambha, Sanskrit series, Varanasi, 6th Edition, 2008

Course Name: HATHA YOGA (I)
Course Code: BS-CT102
Final Exam (SEE)-70 Marks
Internal Assessment (CT+TA)-30Marks

Objectives:

By introducing Hatha Yoga & its Texts, students shall be able to

- Have a brief intro to pre-requisites of Hatha Yoga.
- Introduction to the concept and principles of Yoga in Hath Yogic texts.
- Quote references of each practice as per traditional texts

Learning outcomes:

On completion of this course, the students will have:

- Introduction to various Traditional Hatha Yoga Texts.
- Demonstrational capacity of the concept and practice of Shodhana Kriyas with specific principles.
- Conceptual and practical Experience of Asana with its benefits and contra-indications.
- Conceptual and practical Experience of Pranayama with its benefits and contra-indications.
- Conceptual and practical Experience of Mudra and Bandha.
- Experience the benefits of Pratyahara, Dharana and Dhyana.

UNIT - I: INTRODUCTION TO HATHA YOGA [10 HRS.]

Hatha Yoga: Origin, Meaning, Definition, Aim, Objectives and Misconceptions, Philosophy and Foundations; Hatha Yoga Parampara, Natha Cult Hatha Yogis and their contribution; Ghatashudhi: its importance and relevance in Hatha Yoga sadhana; Inter-relation of Hatha Yoga and Raja Yoga.

UNIT - 2: PRE-REQUISITES OF HATHA YOGA [15 HRS.]

Badhaka Tattva (Obstacles) and Sadhaka Tattva (Facilitatory factors) in Hatha Yoga; Concepts of Matha, Concept of Mitahara, Pathya (conducive) and Apathya (non-conducive), Dasha Yama and Niyama and its relevance in Hatha Yoga Sadhana; Swara, Importance of Svarodaya-jnana in Hatha Yoga Sadhana; Hatha Siddhi Lakshanam.

UNIT - 3: IMPORTANT CONCEPTS & PRINCIPLES OF HATHA YOGA [15 HRS.]

Concept of Swas-prashwas, Vayu, Prana and Upaprana; Concept of Kand, Nadi, Swar, Chakra and Granthi; Kundalini prabodhan, Unmani avastha, Nadanusandhan (Types of Nada and Nada Anusandhan); Concept of Samadhi and Samadhi Siddhi lakshna

UNIT-4: INTRODUCTION TO HATHA YOGA TEXTS:

Brief of Hatha Yogic Texts, their nature and objectives; Siddhi siddhanta paddhati, Goraksha Samhita, and Shiva Samhita; Brief: Hatha Yoga Pradeepika, Gheranda Samhita, Hatha Rathnavali.

TEXT BOOKS

1. G.S Sahaya: HathaYoga Pradeepika of Svatmarama, MDNIY Publication, New Delhi, 2013
2. Sw. Digambar Ji, Dr. Pitamber jha: Hathapradipika, Kaivalyadhama, Lonavla, 1998
3. Swami Digambarji & Gharote M.L.: Gheranda Samhita, Kaivalyadhama, Lonavla, 1978.
4. Swami Niranjanananda Saraswati: Gherand Samhita, Bihar schools of Yoga, Munger Bihar

BOOKS FOR REFERENCE

1. Gharote, M.M. & others: Therapeutic references in Traditional Yoga Texts, Lonavla, 2010.
2. Gharote ML: Hatharatnavali, the Lonavala Yoha Institute, Lonavala, Pune, IInd Edition, 2009.
3. Swami Kuvalyananda & Shukla, S.A.: Gorakshasatkam, Kaivalyadhama, Lonavla, 2006
4. Gharote M.L. & Pai, G.K. (Edi): Siddhasidhantpaddhati, Kaivalyadhama, Lonavla, 2005.
5. Burley, Mikel: Hatha Yoga, Its Context Theory and Practice, M.L.B.D. Delhi, 2000.
6. Sharma BR: Jotsna (Comentory of HathaYoga Pradeepika) Kaivalyadhama, Lonavala, 2013.

7. Swatmaramaji: Hathapradipika (Jyotsana- tika), Adyar Library, Madras.
8. Bharati, Swami Veda Reddy Venkata: Philosophy of Hatha Yoga (English), Himalayan, Pennsylvania, Hatha Ratnavali.

Course Name: HUMAN BIOLOGY-I
Course Code: BS-CT103
Final Exam (SEE)-70 Marks
Internal Assessment (CT+TA)-30Marks

Objectives:

Following the completion of the course, students shall be able:

- outline the structure of the body
- Identify the necessary functions of the body
- To give brief idea about the diseases related to each system
- To shed light on anatomy so that student can experience the involvement of their body parts while practicing various postures of Yoga.

Learning outcomes

On completion of this course, the students will be able to:

- Illustration of Human Anatomy and Physiology.
- Compare and classify different levels of structural complexity.
- Interpret the effect of yogic techniques on different systems in the human body.
- Analyse the working of hormones

UNIT-1: INTRODUCTION TO HUMAN BIOLOGY; CELLS AND TISSUES [15HRS]

Cell structure –Plasma membrane and protoplasm; Cell organelles –Mitochondria, Golgi body, Endoplasmic reticulum, Lysosome, Peroxisome, Centrosome, Nucleus-Nuclear membrane, chromosome, nucleolus; **Homeostasis; Tissue;** Structure and function of epithelial tissue (simple and compound); Connective tissue - (proper, skeletal, vascular); Muscular Tissue (Skeletal, involuntary and cardiac); Nervous tissues (Myelinated neuron and Non myelinated neuron).

UNIT-2: DIGESTIVE AND RESPIRATORY SYSTEM [15 HRS]

Carbohydrates; Fats; Proteins; Minerals; Vitamins (fat soluble and water soluble); **Digestive system** -buccal cavity, Pharynx, oesophagus, stomach, large intestine, small intestine, anus, associated glands-liver, pancreas, salivary glands, physiology of digestion and absorption; Malnutrition and undernutrition; **Respiratory system** -nose, nasal cavity, pharynx, trachea, larynx, bronchiole, lungs; Mechanism of breathing (expiration and inspiration); Transportation of respiratory gases (transportation of oxygen and carbon dioxide).

UNIT-3: CARDIOVASCULAR SYSTEM [15 HRS]

Structure and working mechanism of heart; Organisation of systemic and pulmonary circulation; cardiac output and cardiac cycle; Functional anatomy of blood, vessels; Blood pressure and regulation of blood pressure. Composition and function of blood –Plasma, RBC, WBC and Platelet; Blood groups and their importance; Blood clotting;

UNIT-4: MUSCLES- SKELETAL SYSTEM [15 HRS]

Anatomy of the Skeleton: Classification of bones-axial bones and appendicular bones; Types of joint –synovial joints and fibrous joint; Structure of synovial joints ; Types of synovial joints; Types of Muscle in the body (striated, Smooth muscle, Cardiac muscle); Mechanism of muscle contraction.

TEXT BOOKS

1. Gore M. M. (2003). Anatomy and Physiology of Yogic practices. KanchanPrakashan, Lonavla, India
2. Anatomy and Physiology: Yogic Context: Dr Sharadchandra Bhalekar, Kaivalyadhama, Lonavla, Pune.
3. Lan Peate and Muralidharan Nayar – Fundamental of Anatomy and Physiology for nurses

REFERENCE BOOKS:

1. Tortora and Bryan: Anatomy and Physiology
2. Khurana: Anatomy and Physiology

3. Evelyn, C. Pearce- Anatomy and Physiology for Nurses

Course Name: BASICS OF SANSKRITAM-I
Course Code: BS-AECCT-104
Final Exam (SEE)-35 Marks
Internal Assesment (CT+TA)-15Marks

Objectives:

Following the completion of this course, students shall be able to

- Read and To Have a perception the colloquial words of Sanskrit.
- Communicate and infer Sanskrit to the best of their ability.
- Write in saskrit and have some idea about grammar.

Learning outcomes:

On completion of this course, the students will be able to:

- Develop basic idea of Sanskrit.
- Ability to To Have a perception transliteration with diacritical marks
- Make sentence formation.
- Infer Sanskrit verses.

Unit-1: laLd`rHkk"kk ifjp; (7)

laLd`rHkk"kk ifjp;] ;ksx'kkL= ds vè; ;u easa laLd`r dk egÙo vkSj ;ksx ,oa laLd`r dk vUr%lEcU/k ekgs'ojlw=A laLd`ro.kZekyk] Loj] O;atu o.kZKku lfgr jkseu fyfi esa ys[ku ,oa iBu] o.kkZsa ds mPpkj.kLFkku vkSj izz;Ru KkuA izR;kgkj fuekZ.k fof/k ,oa izR;kgkj KkuA dkjd] foHkfDr] lqi~ vkSj fr³~ izR;;] fy³] opul iq#"k] ydkj ,oa okD;k;x ifjp;A laLd`r la[;k,a ¼,d ls lkS rd½

Unit-2: 'kCn:Ik (8)

vtUr 'kCn:i&jke] ckfydk] iqLrd] eqfu] #fp] okfj 'kCnksa ds :Ik vFkZKku lfgrA vtUr'kCn:i&unh] Hkkuq] /ksuq] e/kq] fir`] ekr` 'kCnksa ds :Ik vFkZKku lfgrA loZuke 'kCn:i&vLen~] ;q"en~] rr~ ¼rhuksa fyxksa esa½] ,rn~ ¼rhuksa fyxksa esa½] fde~ ¼rhuksa fyxksa esa½] Hkor~ ¼rhuksa fyxksa esa½ 'kCnksa ds :Ik vFkZKku lfgrA gyUr'kCn:i&Hkxor~] ukeu~] txr~ 'kCnksa ds :Ik vFkZKku lfgrA

Unit-3: /kkrq:Ik (8)

Hkw] vl~] iB~] d`] fy[k~] ue~] n`'k~ /kkrqvksa ds ikap ydkjksa yV~] y`V~] y³ yksV~] fof/kfya³~] esa :iKku ,oa okD; fuekZ.k vFkZKku lfgrA on~] xe~] LFkk] ik] nk] 'kd~] vki~] izPN~ /kkrqvksa ds ikap ydkjksa yV~] y`V~] y³~] yksV~] fy³~ esa :iKku ,oa okD; fuekZ.k vFkZKku lfgrA Kk] dFk~] fpUr~] czw] Jq] uh] ;kp~] [kkn~] 'kh³~] /kkrqvksa ds ikap ydkjksa yV~] y`V~] y³~] yksV~] fy³~ esa :iKku ,oa okD; fuekZ.k vFkZKku lfgrA

Unit-4: okD;fuekZ.k (7)

izFkenh{kk ds izFke] f}rh; ,oa r`rh; vè;k; ls okD;fuekZ.k ,oa
vFkZKku dk vH;kla

TEXT BOOKS

1. f}osnh dfiy nso% izkjfEHkd jpukuqokn dkSeqnh] fo'ofok|ky; izdk'ku] okjk.klh 2011
2. f}osnh dfiy nso% jpukuqokndkSeqnh] fo'ofok|ky; izdk'ku okjk.klh 2011
3. f}osnh dfiy nso% izkS<jpukuqokn dkSeqnh] fo'ofok|ky; izdk'ku] okjk.klh 2007
4. izFkenh{kk] jkf"V^a; laLd`r laLFkku] ubZ fnYyh

BOOKS FOR REFERENCE

1. egf"kZ n;kuUn ljLorh% o.kksZPpkj f'k{kk] jkeyky diwj V^aLV] lksuhir gfj;k.kkA
2. Perry E D : A Sanskrit Primer, MLBD, New Delhi, 2004
3. Kala MR : A Higher Sanskrit Grammar for college students, MLBD, New Delhi, 2011

Course: INTRODUCTION TO AYUSH

Course Code: BS-GE-105

Final Exam (SEE)-35 Marks

Internal Assessment (CT+TA)-15Marks

Objectives:

Following the completion of the course, students shall be able:

- To Have a perception fundamentals and principles of Yoga Therapy
- To outline the concept and principles of integrated approach of Yoga Therapy
- To have a brief introduction to basics of Naturopathy, Ayurveda, Unani, Siddha and Homeopathy

Learning outcomes:

- Overview of the traditional System of Medicine
- Have an idea of concepts of health & disease.
- Experience other supportive Indian systems of medicine

Unit-1: YOGA & HEALTH AND INTEGRATED APPROACH OF YOGA THERAPY [8 Hrs.]

Concept of body, Health and disease; Concept of Yoga Adhi and Vyadhi; Principle of Yoga Therapy in relation to Yoga Vasistha; Practices at Pancha Kosa level Annamaya, Pranamaya, Manomaya, Vijnanamaya and Anandamaya kosa; Principle of Yoga Therapy in relation to Hatha Ratnavali and Gheranda Samhita.

Unit-2 : INTRODUCTION TO BASIC CONCEPTS OF NATUROPATHY [4 Hrs.]

History of Naturopathy; Principles of Naturopathy; Concept of five elements and its applications: Akash Tatwa Chikitsa, Vayu Tatwa Chikitsa, Agni Tatwa cChikitsa, Jala Tatwa Chikitsa, Prithvi Tatwa Chikitsa).

Unit- 3: INTRODUCTION TO BASIC CONCEPTS OF AYURVEDA [15 Hrs.]

The four aspects of life (Soul, Mind, Senses and Body); Panchamahabhutas (the five element theory), Ahara, Vihara and Ausadhi (three pillars of Ayurveda); Concept, role and importance of – Dosha, Dhatu, Mala; Updhatu, Srotas, Indriya, Agni, Prāna, Prakrti (Deha Prakrti, Manasa Prakrti); Role of Dosa, Dhatu and Mala in health and diseases; Concept of Dinacarya (daily routine), concept of Ritucarya (Seasonal routine), Svasthavātta in Āyurveda; Concept of Trayo Upasthambas.

UNIT- 4: INTRODUCTION TO BASIC CONCEPTS OF UNANI, SIDDHA AND HOMEOPATHY [3 HRS.]

History of Unani & Siddha; Concept of Unāné & Siddha; Principles of Unani & Siddha; Introduction to Basic concepts of Homeopathy; History of Homeopathy; Concept of homeopathy; Principles of Homeopathy.

TEXT BOOKS:

1. Acharya Balkrishna: Yog Sidhant Rahasya, Divya Prakashan, Haridwar 2013
2. Dr R Nagaratha: Yoga and Health, SVYASA, Bangalore.

REFERENCE BOOK:

1. Taitriya Upanishad
2. Dr. Rakesh Jindal: Prakritic Ayurvijnana, Pune.
3. Dash, V.B.: Ayurvedic Treatment for Common Diseases Delhi Diary, 1974.
4. Richards Hughes: The Principal and Practice of Homeopathy, B Jain publication, 2008.
5. Introduction to AYUSH; www.slideshare.net/digvijay03/introduction-of-ayush-71028486

Course Name: YOGA PRACTICUM-I
Course Code: BS-CP106
Final Exam (SEE)-70 Marks
Internal Assessment (CT+TA)-30Marks

Objectives

Following the completion of this course, students shall be able to

- Have an introduction to principle and practice of various dand baithak of Indian origin
- Have an introduction the principle and practice of Suryanamaskar and different type of Yogasanas.
- Demonstrate each Asana and explain its procedure.
- Quote references of each practice as per traditional texts

Learning outcomes:

On completion of this course, the students will be able to:

- Classification and categorization of different yogic techniques.
- Attain perfection to perform different yogic practices.
- Perform the practices of Shatkarma.
- Develop skill to conduct practical sessions

UNIT-1 EIGHT BAITHAK BY YOGRISHI SWAMI RAMDEV JI [25 HRS]

Ardh baithak, Purna baithak, Rammurti baithak, Pahalwani baithak-I, Pahalwani baithak-II, Hanuman baithak-I, Hanuman baithak-II, Hanuman baithak -III,

UNIT-2 TWELVE DAND BY YOGRISHI SWAMI RAMDEV JI [25 HRS]

Simple Dand, Rammurti Dand, Vakshvikasak Dand, Hanuman Dand, Vrishchik Dand-I, Vrishchik Dand-II, Parshvadand, Chakradand, Palatdand, Sherdand, Sarpdand, Mishradand (mixed Dand)

UNIT-3: YOGASANA (SUPINE LYING POSTURES) [25 HRS.]

Navasana, Pavanamuktasana, Utthana-padasana, Padavrittasana, Chakrikasana, Chakkichalana, Ardha Halasana, Halasana, Setubandhasana, Sarvangasana, Matsyasana, Chakrasana, Shavasana.

UNIT-4: YOGASANA (PRONE LINE POSTURES) [20 HRS.]

Makarasana, Markatasana, Bhujangasana, Sarpasana, Shalabhasana, Dhanurasana, Purnadhanurasana.

UNIT- 5: SURYA NAMASKARA [25 HRS.] with mantra.

TEXT BOOKS

1. Acharya Balkrishna: Dainik Yogabhyasakram, Divyayog Prakashan, Haridwar,2015.
2. Yogrishi Swami Randev Ji: Dand-baithak, 2015.
3. Swami Dharendra Bhrahmachari: Yogasana Vijnana, Dharendra Yoga Publications, New Delhi.
4. Swami Kuvalyananda : Asana Kaivalyadhama, Lonavla

BOOKS FOR REFERENCES

1. Tulsi Naina: A Complete Guide for structural Body Work, Divya Prakashan, Haridwar, 2015.
2. Basavaraddi, I.V. & others: Yogasana: A Comprehensive description about Yogasana, MDNIY, New Delhi, 2011.
3. Iyengar, B.K.S.: Light on Yoga, Harper Collins Publishers.
4. Swami Satyananda Saraswati: Asana, Pranayama, Bandha, Mudra Bihar School of Yoga, Munger.
5. Tiwari, O.P.: Asana Why and How? Kaivalyadhama, Lonavla.

Course Name: YOGA PRACTICUM-II

Course Code: BS-CP107

Final Exam (SEE)-35 Marks

Internal Assessment (CT+TA)-15Marks

Objectives:

Following the completion of this course, students shall be able to

- Make the students recite the Vedic hymns skillfully.
- Introduction to the concept and principles of Shatkarmas.
- Introduction to fundamentals of breathing practice.

Learning outcomes:

On completion of this course, the students will be able to:

- Classification of different yogic techniques.
- Attain perfection to perform different yogic practices.
- Perform practices of the Shatkarma.
- Develop skill to conduct practical sessions

UNIT-1: RECITATION OF HYMNS & HASTA MUDRA [15 HRS.]

Recitation of Shanti Mantras; Recitation of Pranava Japa and Soham Japa; Recitation of Hymns from Upanishad & Yoga Texts; Hasta Mudra: Chin, Jnana, Hridaya, Bhairav, Yoni, Pran, Apan, Apanvayu, Shankh, Kamajayi

UNIT-2: SHATKARMAS [15 HRS.]

Neti (Jalneti, Rubber Neti), Dhauti (Jal Dhauti); Kapalbhathi (upto 1000 strokes) and its variations; Trataka (Jatru and Jyoti)

UNIT-3: BREATHING PRACTICES [15 HRS.]

Breathing practices: Hands in and out, Hands stretch, Ankle stretch, Rabbit, Dog, Tiger, Straight leg raising breathing; Breath Awareness: Shwas-prashwas samyama; Abdomen, Thoracic & Clavicular Breathing, Abdomen+Thoracic Breathing, Abdomen + Thoracic +Clavicular Breathing; Yogic Breathing: Pause Breathing (Viloma Pranayama), Spinal Passage Breathing (Sushumna Breathing); Practice of Puraka, Rechaka & Kumbhaka (Antar & BahyaKumbhaka).

UNIT-4: BHOJAN MANTRA, PRATAH EVAM RATRI MANTRA: [10Hrs] To Have a perception, recitation and memorization.

UNIT- 5: CONTINUOUS EVALUATION BY THE TEACHERS [05 Hrs]

TEXT BOOKS

1. Yogrishi Swami Ramdev Ji: Pranayama Rahasya, Divya Prakashan, Haridwar, 2009
2. Yogrishi Swami Ramdev Ji: Vedic Nityakarma Vidhi, Divya Prakashan, Haridwar, 2010
3. Sri Ananda : The Complete book of Yoga, Orient Course Backs, Delhi, 2003.
4. Basavaraddi, I.V. & others: SHATKARMA: A Comprehensive description about Cleansing Process, MDNIY New Delhi, 2009
5. 4. Dr. Nagendra H R : Pranayama, The Art & Science, Swami Vivekananda Yoga Prakashan, Bangalore, 2005.

BOOKS FOR REFERENCE

1. Joshi, K.S.: Yogic Pranayama, Oriental Paperback, New Delhi, 2009
2. Swami Kuvalyananda : Pranayama, Kaivalyadhama, Lonavla, 2010
3. Swami Rama: Science of Breath, A Practical Guide, The Himalayan International Institute, Pennselvenia, 1998.
4. Swami Niranjananand Saraswati: Prana, Pranayama & Pranvidya, Yoga Publications Trust, Munger, Bihar, 2005.

Course Name: HUMAN BIOLOGY PRACTICUM- I

Course Code: BS-CP108

Final Exam (SEE)-35 Marks

Internal Assessment (CT+TA)-15Marks

Objectives:

The objectives behind teaching Anatomy and Physiology is to

- Make students familiar with the systems of the body.
- Give hands on experience about the human body using models, charts and pictures.
- Make students have an outline of the organization of the body with respect to structural components.

Learning outcomes

On completion of this course, the students will be able to:

- To have an Expertise in Human Anatomy and Physiology.
- Compare and classify different levels of structural complexity.
- Summery of Bones, Joints, and Anthropometric measurements.
- Outline the construct of Human Skeleton

Unit-1: Demonstration of Osteology & Myology [15 Hrs.]

Unit-2: Demonstration of Organs and Viscera [15 Hrs.]

Unit-3: Demonstration of Bones, Joints, Anthropometric measurements [15 Hrs.]

Unit-4: Demonstration of Human Skeleton [15 Hrs.]

Semester-II

Course Name: PATANJALA YOGA DARSHANA

Course Code: BS-CT-201

Final Exam (SEE)-70 Marks

Internal Assessment (CT+TA)-30Marks

Objectives:

Following the completion of this course, students shall be able to

- Identify various modification of mind and the means of inhibiting them.
- Apprise the essence of Samadhi and Sadhana Pada.
- Apprise the essence of Vibhuti and Kaivalya pada.
- Quote references of each practice as per traditional texts.

Learning outcomes:

On completion of this course, the students will have:

- To Have a perception of mind and its modifications
- Idea of different obstacles in Sadhana and how to eradicate them.
- To Have a perception of Sanyama, Parinamas and different Vibhutis.
- Idea of different procedures to attain Kaivalya.

UNIT - 1: PATANJALI YOGA DARSHANA [15 HRS.]

Brief Introduction to Maharshi Patanjali and Patanjala Yoga Sutra (P.Y.S.), Concept of Chitta; Concept of Citta Bhoomis (Kshipta, Mood, Vikshipta, Ekagra, Nirudha); Concept of Citta-Vrittis and their classification, Citta-Vritti Nirodhopaya (Abhyasa and Vairagya); Concept of Ishwar and Ishwar Pranidhana, Qualities of Ishwar, Citta-Vikshepas (Antarayas), Concept of Citta-prasadanam, Relevance of Citta-prasadanam in Yoga Sadhana.

UNIT - 2: SAMADHIPADA [15 HRS.]

Types of Samadhi (Samprajnatah and Asamprajnatah Samadhi); Types of Samprajnatah Samadhi (Vitarka,Vichara, Anand and Ashmita); Concept of Samapatti and kinds of Samapatti (Savitraka and Nirvitraka, Savichara and Nirvichara); Types of Asamprajnatah Samadhi (Bhavapratyaya and Upayapratyaya).

UNIT-3: SADHANAPADA [15 HRS.]

Concept of Kriya Yoga of Patanjali, theory of Kleshes (Avidya, Ashmita, Raga, Dewesh, Abhinevesh); Concept of Dukhavada (Heya, Heya Hetu, Hana, Hanopaya) Drishya Nirupam (Prakriti), Drashta Nirupana (Purusha), Prakriti Purusha Samyog ; Brief Introduction to Ashtanga Yoga; Concept of Asana and Pranayama and their Siddhis; Concept of Pratyahara and its Siddhis.

UNIT - 4: VIBHUTIPADA & KAIVALYAPADA [15 HRS.]

Introduction, role and application of Dharana, Dhyana and Samadhi, Samyama and its Siddhis; Three types of Chitta Parinamah; Five Types of Siddhis and Jatyantar Parinamh; Concept of Nirman Chitta andfour types of Karmas; Concept of Vasana and concept of Bahya Padartha (external element) and its abilities, Vivek Jnana Nirupanam, Kaivalya Nirvachana.

TEXT BOOKS

1. Yogrishi Swami Ramdev Ji: Patanjala Yog Darshan, Divyayog Prakashan, Haridwar 2008.
2. Swami Digambara Ji and others: Glossary of the Samkhakarika, Kaivalyadhama, Lonavala, 2012.
3. BKS Iyengar: Introduction of Patanjali Yogasutra-s: MDNIY, New Delhi, 2011.

BOOKS FOR REFERENCE

1. Vyasbhasya
2. Bhojvritti
3. V.V. Sovani: A critical study of the Sankhya System, Chukhambha Sanskrit Pratisthan, New Delhi, 2005
4. Swami Virupaksananda: Samkhyakarika of Isvarakrisna (with tattva Kamudia of Vachapati Mishra), Sri Ram Krishana Matha Madras, 1995
5. Swami Ved Bharti: Yogasutra of Patanjali (with the Exposition of Vyasa) M.L.B.D. New Delhi, 2004, Vol I & II.

Course Name: HATH YOGA-II
Course Code: BS CT-202
Final Exam (SEE)-70 Marks
Internal Assessment (CT+TA)-30Marks

Objectives:

Following the completion of this course, students shall be able to

- Have an To Have a perception about practices of Hatha Yoga.
- Have an To Have a perception about the practices of Yoga in various Hath Yogic texts.
- Have an To Have a perception about practices of Antarang and Bahirang Yoga.
- Quote references of each practice as per traditional texts

Learning outcomes:

On completion of this course, the students will have:

- Idea of various Traditional Hatha Yoga Texts.
- To have a perception of the concept and practice of Shodhana Kriyas with specific principles.
- Conceptual and practical To Have a perception of Asana with its benefits and contra-indications.
- Conceptual and practical To Have a perception of Pranayama with its benefits and contra-indications.
- Conceptual and practical To Have a perception of Mudra and Bandha.
- To Have a perception of Pratyahara, Dharana and Dhyana

UNIT - 1: SHATKARMA PRACTICES [15]

Concept of shuddhi kriya (Shatkarma), Pre- requisites and precautions of shatkarma, Shodhan kriyas in Hath Yoga pradeepika and Gherand Samhita, their techniques, benefits and precautions, role of shodhan kriyas in Yoga sodhan and their importance in modern days life.

UNIT - 2: ASANA PRACTIES [15]

Concept of Asanas Pre- requisites and precautions of Asanas, Salient features and importance of Asanas in Hath Yoga Sadhnas, classification of Asanas, Asanas according to Hath Yog Pradeepika, Asanas according to Gherand Samhita, Relevance and importance of Asanas in Yog Sadhna and importance in modern day life.

UNIT-3: PRANAYAM, BANDH, MUDRA PRACTICES [15]

Mechanizing of Yogic breathing, concept of poorak, kumbhak and Rechak, concept of Prana, types of prana and up-prana, pranayam techniques according to Hath Pradeepika and Gherand Samihita, Nadi, Shodham Pranayan, Pre-requisites and precautions of Pranayam, concept of Bandh and Mudras, Fundamental of Mudras in Hath Pradeepika and Gherand Samhita; Techniques, benefits and precaution of Bandha and Mudra, Relevance of Pranayam, Bandh, Mudras in Yoga sadhna and in modern day life.

UNIT - 4: PRATYAHAR, DHARNA, DHYAN, SAMADHI [15]

Concept of Pratyahar, Dharna, Dhyan and Samadhi in Gherand Samhita and Hath Pradeepika; their Techniques and benefits; Relevance in Yog Sadhna in modern day life.

TEXT BOOKS

1. G.S Sahaya: HathaYoga Pradeepika of Svatmarama, MDNIY Publication, New Delhi, 2013
2. Sw. Digambar Ji, Dr. Pitamber jha: Hathapradipika, Kaivalyadhama, Lonavla, 1998
3. Swami Digambarji & Gharote M.L.: Gheranda Samhita, Kaivalyadhama, Lonavla, 1978.
4. Swami Niranjanananda Saraswati: Gherand Samhita, Bihar schools of Yoga, Munger Bihar

BOOKS FOR REFERENCE

1. Gharote, M.M. & others: Therapeutic references in Traditional Yoga Texts, Lonavla, 2010.

2. Gharote ML: Hatharatnavali, the Lonavala Yoha Institute, Lonavala, Pune, IInd Edition, 2009.
3. Swami Kuvalyananda & Shukla, S.A.: Gorakshasatkam, Kaivalyadhama, Lonavla, 2006
4. Gharote M.L. & Pai, G.K. (Edi): Siddhasidhantpaddhati, Kaivalyadhama, Lonavla, 2005.
5. Burley, Mikel: Hatha Yoga, Its Context Theory and Practice, M.L.B.D. Delhi, 2000.
6. Sharma BR: Jotsna (Comentory of HathaYoga Pradeepika) Kaivalyadhama, Lonavala, 2013.
7. Swatmaramaji: Hathapradipika (Jyotsana- tika), Adyar Library, Madras.
8. Bharati, Swami Veda Reddy Venkata: Philosophy of Hatha Yoga (English), Himalayan, Pennsylvania, Hatha Ratnavali.

Course Name: HUMAN BIOLOGY-II
Course Code: BSCT-203
Final Exam (SEE)-70 Marks
Internal Assessment (CT+TA)-30Marks

Objectives:

Following the completion of the course, students shall be able:

- To know about the structure of the body
- To know about the necessary functions of the body
- To throw light on anatomy so that student can experience the involvement of their body parts while practicing various postures of Yoga.

Learning Outcomes:-

After completion of the course contents of this paper, the student will be able to:

- Gain idea about Nervous System & Special Senses.
- Gain idea about Endocrine System
- Understand the anatomy and physiology of Reproductive & Excretory System System.
- Gain information about Lymphatic System & Immune System.

UNIT -1: NERVOUS SYSTEM & SPECIAL SENSES [15HOURS]

Structure and function of human brain.-Fore brain, mid brain, hind brain, Structure and function of spinal cord, Cranial nerve and spinal nerve, Autonomic nervous system- Sympathetic and para sympathetic nervous system, Reflex action, Mechanism of nerve conduction, Synapse and synaptic transmission, Structure and function of eye,ear,nose,tongue and skin.

UNIT -2: ENDOCRINE SYSTEM [10HOURS]

Structure and function of important of endocrine gland (Pituitary, Adrenal, Thyroid, Parathyroid, Pancreas, gonads), Function of GI tract hormones, Mechanism of hormone action.

UNIT -3: REPRODUCTIVE & EXCRETORY SYSTEM SYSTEM [15 HRS]

Male reproductive system of human.-Testis, penis, epididymis, prostate gland; Female reproductive system of human-ovary, uterus, vagina, cervix, fallopian tube; Menstrual cycle Gametogenesis-Spermatogenesis and oogenesis; Fertilization; Implantation and embryonic development; Pregnancy; Excretory system of human-Kidney, ureter, urinary bladder, urethra; Mechanism of urine formation-Ultrafiltration, selective reabsorption, tubular secretion; Role of kidney in osmo-regulation.

UNIT -4: LYMPHATIC SYSTEM & IMMUNE SYSTEM [15HRS]

Lymphoid organ-Bone marrow, Thymus, spleen ,Lymph node, Composition and function of lymph, Immunity, Types of immunity-Innate immunity and acquired immunity, Antigen and antibody, Hypersensitivity, Autoimmunity.

TEXT BOOKS

1. Gore M. M. (2003). Anatomy and Physiology of Yogic practices. KanchanPrakashan, Lonavla, India
2. Anatomy and Physiology: Yogic Context: Dr Sharadchandra Bhalekar, Kaivalyadhama, Lonavla, Pune.
3. Lan Peate and Muralidharan Nayar – Fundamental of Anatomy and Physiology for nurses

REFERENCE BOOKS:

1. Tortora and Bryan: Anatomy and Physiology
2. Khurana: Anatomy and Physiology
3. Evelyn, C. Pearce- Anatomy and Physiology for Nurses

Course Name: BASICS OF SANSKRITAM-II

Course Code: BS-AECCT-204

Final Exam (SEE)-35 Marks

Internal Assessment (CT+TA)-15 Marks

Objectives:

Following the completion of this course, students shall be able to

- Read and understand the colloquial words of Sanskrit.
- Communicate and comprehend Sanskrit to the best of their ability.
- Write Sanskrit with better grammatical skill.

Learning outcomes:

On completion of this course, the students will be able to:

- Develop basic idea of Sanskrit.
- Know transliteration with diacritical marks
- Make sentence formation.
- Understand Sanskrit verses.

Unit-1: laLd`rHkk"kk ifjp; [8HRS]

ib~ ,oa d` /kkrq dk deZokP;:Ik Kku ik;ip ydkjksa yV~] y`V~] y³~] yksV~] fy³~ esa ,oa okD; fuekZ.k vFkZKku lfgrA vl~ ,oa Hkw /krq dk HkkookP;:i Kku ikap ydkjksa yV~] y`V~] y³~] yksV~] fof/kfy³~ esa ,oa okD; fuekZ.k vFkZKku lfgrA dr`ZokP; ,oa deZokP; dk ifjp;] okD;jpuk] okD;:ikUrj.k ,oa vuqoknA dr`ZokP; dk ifjp; okD;jpuk] okD;:ikUrj.k ,oa vuqoknA

Unit-2: d`nUr izR;; [7HRS]

'kr` ,oa 'kkup~ izR;;ksa ls 'kCnfuekZ.k] okD;jpuk vkSj vuqoknA DRok] Y;i~] rgequ~ izR;;ksa ls 'kCnfuekZ.k] okD;jpuk vkSj vuqoknA Dr ,oa Drorq izR;;ksa ls 'kCnfuekZ.k] okD;jpuk vkSj vuqoknA rO;r~] vuh;j~ ,oa ;r~ izR;;ksa ls 'kCnfuekZ.k] okD;jpuk vkSj vuqoknA

Unit-3: lfU/k ,oa Hkk"kkH;k1 [8HRS]

vp~] gy~ ,oa folxZ lfU/k;ksa dk Kku ,oa lfU/k foPNsn dk vH;k1A Hkxon~xhrc ds n~forh; vè;k; ds izFke 20 'yksdksa esa dkjd ,oa f0;kinksa dk vuqlU/kku ,oa lLoj 'yksdikBA laLd`r ls fgUnh@vaxzsth esa vuqoknA laLd`r esa ijLij okrkZyiki ,oa eksf[kd O;k[;ku dk vH;k1A

Unit-4: Hkk"kkn{krk [7HRS]

izFkenh{kk ds prqFkZ] iape ,oa "k"B vè;k; ls okD;fuekZ.k ,oa vFkZKku dk vH;k1A

TEXT BOOKS

1. f}osnh dfiy nso% izkjfEHkd jpukuqokn dkSeqnh] fo'ofok|ky; izdk'ku] okjk.klh 2011
2. f}osnh dfiy nso% jpukuqokndkSeqnh] fo'ofok|ky; izdk'ku] okjk.klh 2011
3. f}osnh dfiy nso% izkS<jpukuqokn dkSeqnh] fo'ofok|ky; izdk'ku] okjk.klh 2007

BOOKS FOR REFERENCES

1. izFkenh{kk & jkf"V^a; laLd`r laLFkku] ubZ fnYyhA
2. f}rh; nh{kk & jkf"V^a; laLd`r laLFkku] ubZ fnYyhA
3. egf"kZ n;kuUn ljLorh% o.kksZPpkj f'k{kk] jkeyky diwj V^aLV] lksuhir gfj;k.kkA

Course Name: HEALTH AND YOGIC HYGIENE

Course Code: BSGE--205

Final Exam (SEE)-35 Marks

Internal Assessment (CT+TA)-15 Marks

Objectives:

Following the completion of this course, students shall be able to

- Read and understand the colloquial words of Sanskrit.
- Communicate and comprehend Sanskrit to the best of their ability.
- Write Sanskrit with better grammatical skill. [8]

Learning Outcomes:

- To have idea about human Health and Health Education
- To know about effects of nutrition in sports performance
- To create the awareness regarding research in the field of sports nutrition
- To know about various communicable and non-communicable disease.
- To know about the health service and personal hygiene of students.

Unit-1: INTRODUCTION TO HEALTH AND HYGIENE [10 Hrs.]

Personal hygiene, Definition of health and factors; affecting it- food habits, cleanliness, exercise and sleep; Water – Importance of water, impurities present in water, sources of contamination of water and water purification (Household and natural methods); First aid: meaning, importance in daily life.

Unit-2: INFECTION AND DISINFECTANTS [10 Hrs.]

Infection – Definitions of Infection, Infective agents, Period of infectivity; Types of diseases and their modes of spread; Channels of infection; disinfectants – Definition, types and methods of disinfection.

Unit-3: INFECTIOUS DISEASES [10 Hrs.]

Infectious diseases - Causes, incubation period, mode of spread, symptoms, prevention & control of the following diseases); Diseases spread by insects -Malaria, Dengue; Diseases spread by ingestion - Dysentery, cholera, typhoid; Diseases spread by droplet infection - Chicken pox, measles, mumps; Disease spread by Contact - Leprosy, AIDS;

TEXT BOOKS

1. Prof. Ramharsh Singh: Swasthvritta, Chaukhanmha Prakashan, Varanasi
2. Birendra Nath Ghosh, (1969) Hygiene & Public Health Calcutta Scientific Publishing Co.

REFERENCES

1. Yash pal Bedi (1976) Hygiene & Public Health. Anand Publishing Co., gali No. 1, Nawan Kot Amritsar.
2. V. N. Hhave, (1975) You & Your Health.. National Book Trust
3. Bihari Lal Bhatia, (1961) Elementary.. Hygiene, Orient Longmans, Ltd. Calcutta -13
4. J.E. Park, (1983) Preventive & Social Medicine, Jabalpur.

Course Name: YOGA PRACTICUM-3
Course Code: BS-CP-206
Final Exam (SEE)-70 Marks
Internal Assessment (CT+TA)-30Marks

Objectives:

Following the completion of the course, students shall be able to

- Understand the concept and principles of Sukshma and Sthula vyayama.
- Practice Yogic sthul and sukshma vyayam skillfully.
- Explain and demonstrate Yogic sthul and sukshma vyayam skillfully.
- Recite Ishwarstutuprarthna.

Learning outcomes:

On completion of this course, the students will be able to:

- Develop To Have a perception of different yogic techniques.
- Attain perfection to perform different yogic practices.
- Perform practically the Suksma Vyayama & Sthula Vyayama.
- Develop skill to conduct practical sessions

UNIT-1: YOGIC SUKSMA VYAYAMA [45 HRS.]

Uccharana-sthala tatha Vishudha-chakra-shuddhi (for throat and voice); Prarthana (Prayer) Buddhi-tatha-dhriti shakti-vikasaka (for developing will power); Smarana shaktivikasaka (for improving the memory); Medha shakti-vikasaka (for improving the intellect and memory); Netra shakti-vikasaka (for the eyes); Kapola shakti-varadhaka (for the cheeks); Karna shakti-varadhaka (for the ears); Griva shakti-vikasaka (for the Neck) (i), (ii) and (iii), Skandha-tatha-bahu-mula shakti-vikasaka (for the shoulders), Bhuja-bandha shakti-vikasaka, Kohini shakti-vikasaka, Bhuja-valli shakti-vikasaka, Purna-bhuja shaktivikasaka (for the arms), Mani-bandha shakti-vikasaka, Kara-prstha shakti-vikasaka, Karatala shakti-vikasaka, Anguli-mula shakti-vikasaka (for the fingers), Anguli- shakti-vikasaka (for the fingers), Vaksa-sthala shakti-vikasaka (for the chest) (1), Vaksa-sthala shaktivikasaka (for the chest) (2), Udara shakti-vikasaka (for the abdomen) (i) to (x); Kati shaktivikasaka (for the waist) (i) to (v), Muladhara-chakra-suddhi (for the rectum), Upastha tatha-svadhithana-chakra-suddhi (for the genital organs), Kundalini shakti-vikasaka (for the kundalini), Jangha shakti-vikasaka (for the thighs) (i) & (ii), Jangha shakti-vikasaka (for the thighs) (ii) , Janu shakti-vikasaka (for the knees), Pindali shakti-vikasaka (for the calves), Pada-mula shakti-vikasaka, Gulpha-pada-pristha-pada-tala-shakti-vikasaka (for the ankles and the feet), Padanguli shakti-vikasaka (for the toes).

UNIT-2 YOGIC STHULA VYAYAMA [35 HRS.]

12 steps of Yogic Jogging; and a series of 12 Yogic Postures: Manduk Asana- Variations 1 & 2, Shashakasana, Bakasana, Gomukh Asana, Makarasana- Variations 1& 2, Bhujanga Asana- Variations 1, 2 & 3, Shalabhasana- Variations 1, 2 & 3, Markatasana- Variations 1, 2 & 3, Pawanmuktasana- Variations 1, 2 & 3, Ardha Halasana, Padvritta Asana- Variations 1 & 2 and Dwichakrikasana- Variations 1 & 2; as recommended by Swami Ramdev. Rekha-gati (Walking in a Straight line), Hrid-gati (Injanadaur – the Locomotive Exercise), Utkurdana (Jumping Exercise), Urdhva-gati (Upward Movement), Sarvanga-pusti (Developing the Entire body).

UNIT-3: ISHWARSTUTI-PRARTHANOPASANA: To Have a perception, recitation and memorization. [20 Hrs]

UNIT- 4: CONTINUOUS EVALUATION BY THE TEACHERS [20 Hrs]

TEXT BOOKS

1. Swami Ramdev ji: Vaidik Nitya Karma Vidhi, Divya Prakashan, Haridwar, 2010.
2. Swami Dharendra Bhramhachari: Yogic Sukshma Vyayama, Dharendra Yoga Publications, New Delhi, 1980
3. Swami Dharendra Bhramhachari: Yogasana Vijnana, Dharendra Yoga Publications, New Delhi, 1966.

BOOKS FOR REFERENCES

1. Swami Kuvalyananda: Asana, Kaivalyadhama, Lonavla, 1993

2. Swami Satyananda Saraswati: Asana, Pranayama, Bandha, Mudra, Bihar School of Yoga, Munger, 2006
3. Basavaraddi, I.V. & others: YOGASANA: A Comprehensive description about Yogasana, MDNIY, New Delhi.

Course Name: YOGA PRACTICUM- 4
Course Code: BS-CP-207
Final Exam (SEE)-35 Marks
Internal Assessment (CT+TA)-15Marks

Objectives:

Following the completion of this course, students shall be able to

- Understand the principle and practice of Yogic practices and Yajna.
- Have an To Have a perception about the practices that help practitioners to lead to meditation.
- Quote references of each practice as per traditional texts

Learning outcomes:

On completion of this course, the students will be able to:

- Develop To Have a perception of different yogic techniques.
- Attain perfection to perform different yogic practices.
- Perform practically the Shatkarma, Pranayama, Asanas & Yajna Mantra.
- Develop skill to conduct practical sessions

UNIT-1: SHATKARMA [15 HRS.]

Dhauti (Jala, Danda), Neti (Jala, Sutra), Kapalbhata (Vatkram, Vyutkram) Nauli (Madhyama, Vama, Dakshina), Trataka

UNIT-2: PRANAYAMA [20 HRS.]

Nadi Shodhana (Technique 1: Same Nostril Breathing), Nadi Shodhana (Technique 2: Alternate Nostril Breathing), Nadi Shodhana (Technique 3: Alternate Nostril Breathing + Antar kumbhak); Nadi Shodhana (Puraka + Antar Kumbhak + Rechaka + Bahya Kumbhak) (1:4:2:2); Bhramari Pranayama.

Pranayama: Bhastrika, Kapalbhata, Bahya, Ujjayi, Anulomvilom, Bhramari, Udgeeth and Pranav as recommended by Swami Ramdev.

UNIT-3: DHYANATMAK ASANAS AND OTHER PRACTICES LEADING TO MEDITATION [15 HRS.]

Sukhasana, Siddhasana, Simhasana, Bhadrāsana, Swastikāsana, Gaurakshāsana, Vajrasana, Pranav and Soham Japa; Yoga Nidra (1,2,3); Antarmauna; Ajapa Dharana (Stage 1, 2, 3); Mind Sound Resonance Technique[MSRT] .

UNIT-4: DEVYAJNA MANTRA: To Have a perception, recitation and memorization. [10 Hrs]

TEXT BOOKS

1. Yogrishi Swami Ramdev Ji: Pranayama Rahasya, Divya Prakashan, Haridwar, 2009
2. Yogrishi Swami Ramdev Ji: Vedic Nityakarma Vidhi, Divya Prakashan, Haridwar, 2010
3. Basavaraddi, I.V. & others: SHATKARMA: A Comprehensive description about Cleansing Process, MDNIY New Delhi, 2009
4. Dr. Nagendra H R : Pranayama, The Art & Science, Swami Vivekananda Yoga Prakashan, Bangalore, 2005.
5. Iyengar, B.K.S.: Light on Pranayama, Harper Collins, Swami Vivekanand Yoga Prakashan, 2012

BOOKS FOR REFERENCE

1. Joshi, K.S.: Yogic Pranayama, Oriental Paperback, New Delhi, 2009
2. Swami Kuvalyananda : Pranayama, Kaivalyadhama, Lonavla, 2010
3. Basavaraddi I. V. & Others : Teachers Manual for School Teachers, MDNIY, New Delhi, 2010
4. Nagendra, H.R: Mind sound resonance technique, Swami Vivekanand Yoga Prakashan, 2002, Bangaore.
5. Swami Rama: Science of Breath, A Practical Guide, The Himalayan International Institute, Pennselvenia, 1998.
6. Swami Niranjananand Saraswati: Prana, Pranayama & Pranvidya, Yoga Publications Trust, Munger, Bihar, 2005.

Course Name: HUMAN BIOLOGY PRACTICUM-II

Course Code: BS-CP-208

Final Exam (SEE)-35 Marks

Internal Assessment (CT+TA)-15Marks

Objectives:

Following the completion of this course, students shall be able to

- Understand the principles and procedure of every experiment.
- Demonstrate an experiment with the interpretation of the results.
- Explain the procedure of each step of an experiment skillfully.

Learning outcomes

On completion of this course, the students will be able to:

- Understand of Human Anatomy and Physiology.
- Know different levels of structural complexity.
- Understand of Bones, Joints, and Anthropometric measurements.
- Understand of Human Skeleton

UNIT-1: HEMATOLOGY [10 HRS.]

Method of Collection of Blood, Haemoglobinometry; Total White Blood Cell Count, Differential WBC count; E.S.R., Bleeding Time, Clotting Time; Blood Groups; Pulse.

UNIT-2: PHYSIOLOGICAL EXAMINATION [15 HRS.]

Determination of Arterial Blood Pressure in Humans; Effect of posture, exercise and cold stress on blood pressure; Stethography, Spirometry; BMI Calculation; Reflexes, Recording of Body Temperature.

UNIT-3: ENDOCHRONOLOGY [15 HRS.]

Endocrine glands, their secretions and measurements.

UNIT-4: CONTINUOUS EVALUATION BY THE TEACHERS [15 HRS.]

TEXT BOOK

1. Parvati Mahapatra : Practical physiology, Jaypee publishers, 2nd edition, 2004

Semester-III

Course Name: ESSENCE OF BHAGAVAD GITA FOR HOLISTIC LIVING

Course Code: BS-CT301

Final Exam (SEE)-70 Marks

Internal Assessment (CT+TA)-30Marks

Objectives:

Following the completion of this course, students shall be able to

- Understand the significance of Bhagavad gita and its essence.
- Understand the concept of Atman, Paramatman, Sthitaprajna.
- Have a deep To Have a perception between the qualities of a Karma and Bhakti yogi.
- Understand the concept of Ahara its role in healthy living.
- Quote references of each practice as per traditional texts

Learning outcomes:

Following the completion of this course, students shall be able to

- Understand the significance of Bhagavad Gita and its relevance.
- Know the concept of Atman, Paramatman, Sthitaprajna.
- Have a deep To Have a perception of Nishkama Karma and devotion in day to day life

UNIT – 1: SIGNIFICANCE OF BHAGAVADGITA AS SYNTHESIS OF YOGA [15 HRS.]

Introduction to Bhagavadgita, Importance of Bhagwadgita; Bhagavadgita: a synthesis of Yoga; Definitions of Yoga in Bhagavadgita and their relevance; Bhagavadgita's relevance in Yoga Sadhana; Bhagvadgita and its universal significance.

UNIT-2: CONCEPT OF ATMAN, PARAMATMAN AND CHARACTERISTIC OF STHITA PRAJNA IN BHAGAVDGITA [15 HRS.]

Concept of Samkhya Yoga/Jnana Yoga in Bhagavadgita (Chapter. 2,3,4,5,6,13) ; Concept of Sthita Prajna, Concept of Atman (chapter 2); Concept of Paramatman (Parmeshwar or Purushottam) their characteristic in Bhagavadgita (Chapter 4,8,10,11,13,15); Concept and nature of Prakriti, origin of the world as described in Bhagavadgita (Chapter 9,13,14).

UNIT-3: KARMA YOGA, BHAKTI YOGA AND DHYANA YOG IN BHAGAVADGITA [20 HRS.]

Concept of karma Yoga in Bhagavadgita (Chapter 2-6); concept of Yajna and its nature, concept of Yatharth Karma and Nishkama Karma (Chapter 3, 4) Concept of Bhakti in Bhagvadgita, concept of Shraddha and its relevance as described in Bhagavad Gita (chapter 7, 8, 9, 11, 12), Importance of Bhakti (Chapter 11 Verse 52-55), Types of Bhakti (chapter 7, 12), Charecterstics of Bhakt (chapter 12 verse 13-20). Dhyana Yoga together with devotion as described in Bhagavadgita and Nature of Dhyana in Bhagavadgita (chapter 6) ; concept of cosmic form of God (chapter 11).

UNIT – 5: CONCEPT OF DIET AND PERSONALITY IN BHAGVADGITA. [10 HRS.]

Concept and classification of Ahara as described in Bhagavadgita (Chapter 6); Ahara and its role in Adhyatma Sadhana; Concept of Triguna in the context of Bhagavadgita (Chapter 14); Types of personality in Bhagvadgita (Chapter 17); Concept of Dev-Asur Sampda (Chapter 16).

TEXT BOOKS

1. Srimadbhagwadgita- Gitamritam: Yogrishi Swami Ramdev Ji, Divya Prakashan, Haridwar, 2015
2. Swami Gambhiranand ; Bhagvatgita with the commentary of Sankaracharya, Advita Ashrama, Kolkata, 2003

BOOKS FOR REFERENCE

1. Swami Shrikantananda; Gita Darshana, Indian Institute of Human Excellence Hyderabad
2. Lokmanya Gangadhar Tilak: Gita Rahasya

3. Swami Raghvendra nanda; Universal message of the Bhagvatgita, Advaita Ashrama, Kolkata, 2000
4. Swami Gambhiranand ; Bhagavadgita (with Gudharth Dipika) Sri Ramkrishna Matha Madras
5. Swami Ramsukhadass; Srimad Bhagavadgita (Sadhaka Sanjivani) Gita Press Gorakhpur Swami Ranganathananda ; Bhagavadgita, Advaita Ashrama Sub- Dept-5 Beli Entally Road Kolkata.

Course Name: INTRODUCTION TO HOLISTIC HEALTH

Course Code: BS-CT-302

Final Exam (SEE)-70 Marks

Internal Assessment (CT+TA)-30Marks

Objectives:

Following the completion of this course, students shall be able to

- Understand the concept of health and disease.
- Have To Have a perception about holistic concepts of health and healing.
- Conceptual To Have a perception of Yajna and Yajnopathy and Marma Therapy.
- Quote references of each practice as per traditional texts

Learning outcomes:

Following the completion of this course, students shall be able to

- To increase students' idea regarding holistic health practices and theory.
- To develop skills that will positively enhance personal, community and global health and wellness.
- To cultivate awareness of the interconnection between body, mind, spirit and community in order to affect attitudinal change regarding health and wellness.
- To ensure that students have the ability to apply the idea, skills and awareness of holistic health and wellness in their personal and professional lives.
- To promote sensitivity to the issues of diversity and multiculturalism within the continuum of individual and global health and wellness.
- Have a deep To Have a perception of Marma Therapy and Technique of activation of Marma points.

UNIT - 1: CONCEPT OF BODY, HEALTH AND DISEASE [10 HRS.]

Definition & Importance of Health According to WHO; Dimensions of Health: Physical, Mental, Social and Spiritual; Yogic concept of Body from Taaittiriya Upanishad, Yogic Concept of Health and Disease: Meaning and definitions, Concept of Adhi and Vyadhi according to Yoga Vasistha and remedial measures; Holistic health care through Yoga. Concepts of Trigunas, Pancha-mahabhutas, Panchaprana and their role in Health and Healing; Concept of Pancha-koshas & Shat-chakra and their role in Health and Healing.

UNIT - 2: CAUSES OF ILL HEALTH & REMEDIAL MEASURES AS PER YOGA TEXTS [10 HRS.]

Potential causes of ill-health: Mental and Emotional ill Health: Styana, Samshaya, Pramada, Avirati, Duhkha, Daurmanasya, Bhranti-darsana, Alabdha-bhumikatva and Anavasthitatva; Shuddhi Prakriyas in Yoga : Role of Shuddhi Prakriyas in preventive and curative Health, Karma Shuddhi (Yama, Niyama), Ghata Shuddhi (Shat-karma), Snayu Shuddhi (Asana), Prana Shuddhi (Pranayama), Indriya and Mano Shuddhi (Pratyahara), Sublimation of Chitta Shuddhi (Dharana, Dhyana and Samadhi).

UNIT - 3: INTRODUCTION TO YAJNA [15 HRS.]

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UNIT - 4: INTRODUCTION TO YAJNOPATHY [15 HRS.]

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UNIT – 5: INTRODUCTION TO MARMA THERAPY [10 HRS]

Fundamentals & History of Marma Therapy; Prerequisites of marma Therapy; References of marma points in Susrut Samhita; Classification and description of Marma points; Technique of activation of Marma points; Corelation of marma through yogic activities like Asana, Pranayama and Shatchakra. Marma Therapy in Facial Paralysis, Cervical Spondylosis, Frozen Shoulder, Brachial Neuralgia, Sciatica, Hemiplagia, Paraplegia, Cerebral Palasy.

TEXT BOOK

1. Prof. Ramharsh Singh: Swasthvritta
2. Jnanananda Bharati : Essence of Yoga Vasishta Pub: Sanata Books, Chennai
3. Hatha Ratnavali: Tirumala Tirupathi Devasthanana, Andhra Pradesh.
4. Yajnotherapy: Sandip Arya, Vijaikumar Govindram Hasanand, 4408 nai sadak, New Delhi.
5. Marma Chikitsavijnana: Prof. Sunil Kumar Joshi, Mrityunjaya Mission, Aadi Arts, Haridwar.

REFERENCE BOOKS:

1. Dr R Nagarathna and Dr H R Nagendra: Yoga and Health, Swami Vivekananda Yoga Prakashana, 2002
2. Yajna se hoga sunahra kal: Dr Rochna Bharti, Srirang Prakashan, Nashik
3. Yajynopathy: Brahmvarchas, Sri Vedmata Gayatri Trust, Shantikunj, Haridwar.
4. Swasthvritta evam Susrutsamhita.

Course Name: APPLIED YOGA
Course Code: BS-CT303
Final Exam (SEE)-70 Marks
Internal Assessment (CT+TA)-30Marks

Objectives:

Following the completion of the course, students shall be able to

- Understand the applied value of Yoga in different domain.
- Have an idea about the role of Yoga for school, sports, technostress and geriatric care.

Learning Outcome:

- To have idea about human Health and Health Education
- To know about effects of nutrition in sports performance
- To create the awareness regarding research in the field of yoga and sports science
- To know about Physical Education and Yoga
- To know about the Yoga For Technostress.

Unit -1: YOGIC HEALTH FOR SCHOOL [15 HRS.]

General Introduction to School Health, components of school health; Parent-Teacher-Student relationship in a School Health; Role of social interaction in a School Health; Brief introduction to developmental process of children; Psycho-Physiological changes and development of cognitive functions in School going children; Role of Yoga in establishment of values in School going children; Personality Development: New Dimensions of Personality through Yoga

Unit -2: YOGA IN PHYSICAL EDUCATION, SPORTS SCIENCES [15 HRS.]

General introduction to Physical Education and Sports; Difference between Physical Education & Sports; Relevance of Integration of Yoga in Physical Education & Sports; Yoga for Physical, Mental Stamina and other faculties / skills in a sports Personnel; Nature of different sports injuries, its prevention and management through Yoga; Yoga modules for different sports – track events, field events, single participation, group participation; Application of Yogic lifestyle in improving efficacy in sports personnels; Relationship between Yoga and sports activities; Research reviews on Yoga and Sports.

Unit -3: YOGA FOR TECHNOSTRESS [15 HRS.]

Introduction to Technostress, its cause, symptoms and complications; Health Hazards in computer professionals; Role of Yoga in the promotion of skills; Application of Yoga for management of Technostress; Research reviews on effect of Yoga on Technostress.

Unit -4: YOGA FOR GERIATRIC CARE [15 HRS.]

General introduction to Geriatric Care; Ageing: Causes and features, Premature ageing; Common Geriatric problems; Application of Yoga in common Geriatric problems and their prevention & management; Research reviews on Yoga & Geriatric care.

TEXT BOOKS

1. Yogrishi Swami Ramdev Ji: Yoga in synergy with medical science, Divya Prakashan, Haridwar, 2007.
2. Jayadev H J : Growing with Yoga, The Yoga Institute, Santacruz, Mumbai, 2004
3. Swati & Rajiv Chanchani : Yoga for Children: A complete illustrated guide to Yoga, UBS Publishes Distributors Pvt. Ltd, 2008
4. Basavaraddi I V : Yoga for Technostress, MDNIY, New Delhi, 2010
5. Basavaraddi I V : Yogic Management of Geriatric Disorders, MDNIY, New Delhi, 2009

BOOKS FOR REFERENCE

1. Basavaraddi I V : Yoga: Teachers manual for school children, MDNIY New Delhi , 2010

2. Basavaraddi I V : Yoga in School Health, MDNIY New Delhi, 2009 Iyenger B K S : Astadala Yogamala 1 to 7 volumes, Allied Publishers Pvt. Ltd, 2009
3. Dr. H Kumar Kaul : Yoga and Healthy Ageing, BR Publishing Corporation, Delhi, 2006
4. Iyenger B K S : The Path to Holistic Health, A Dorling Kindersley Book, Great Britain, 2001
5. Liz Lark : Yoga for Kids, Carlton Books Ltd., London, 2003

Course Name: ENVIRONMENTAL STUDIES

Course Code: BS-AECCT-304

Final Exam (SEE)-35 Marks

Internal Assessment (CT+TA)-15 Marks

Objectives:

Following the completion of these course students shall be able to

1. Know about environment and ecosystem.
2. Know renewable and non-renewable resources.
3. Know about Biodiversities, Conservation and Pollution.

Learning Outcomes:

After completing the major in Environmental Studies, students will be able to:

- Articulate the interconnected and interdisciplinary nature of environmental studies;
- Demonstrate an integrative approach to environmental issues with a focus on sustainability;
- Use critical thinking, problem-solving, and the methodological approaches of the social sciences, natural sciences, and humanities in environmental problem solving.
- Communicate complex environmental information to both technical and non-technical audiences.
- Understand and evaluate the global scale of environmental problems
- Reflect critically on their roles, responsibilities, and identities as citizens, consumers and environmental actors in a complex, interconnected world.

UNIT- 1: INTRODUCTION TO ENVIRONMENTAL STUDIES AND ECOSYSTEM [8 HRS.]

Introduction to environmental studies and ecosystem; multidisciplinary nature of environmental studies: scope and importance. Ecosystem and its functions, aquatic ecosystem, environmental components of ecosystem, conservation of natural resources, food chains, food web.

UNIT-2: NATURAL RESOURCES: RENEWABLE & NON-RENEWABLE [7 HRS.]

Resources: Renewable & Non-Renewable Biodiversity, Values of Biodiversity, Natural Resources (Renewable & Non-Renewable Resources), Pollution -Air pollution, Soil pollution, Smog their causes and impacts.

UNIT-3: BIODIVERSITY & CONSERVATION [8 HRS.]

Biodiversity levels of biological biodiversity, Environment segments, Biosphere, Lithosphere, Hydrosphere, Atmosphere, Pollutants, Degradable and Non-degradable pollutants, conservation-mineral Resources, oxygen depletion.

UNIT 4: ENVIRONMENTAL POLLUTION [7 HRS.]

Environmental pollution, types, causes, effects and controls, Prevention & Control of Pollution, Environment Protection Act, Wild life Protection Act.

TEXT BOOKS:

1. Erach Bharucha: Text Book for Environment Studies, UGC & Bhartiya Vidyapeetha Institute of Environmental education and research, Pune.

REFERENCE BOOKS:

1. Agarwal, K.C. 2001 Environmental Biology, Nidi Publ. Ltd. Bikaner. b)
2. Bharucha Erach, The Biodiversity of India, Mapin Publishing Pvt. Ltd., Ahmedabad – 380 013, India,

COURSE: YOGA PSYCHOLOGY**Course Code: BS-GE -305****Final Exam (SEE)-35 Marks****Internal Assessment (CT+TA)-15Marks****Objectives:**

Following the completion of this course, students shall be able to

1. Understand about Human Psyche and Psychic forces.
2. Understand about mental process.
3. Know and correlate Yogic principles and Psychology

Learning outcomes:

Following the completion of this course, students shall be able to

- Understand the altered states of consciousness.
- Know the science of behavior.
- Can understand and develop a complete personality.
- Can define various types of cognitive aspects.
- Learn the management of common mental disorders.
- Learn the management of Personality development with Yogic Counselling.

Unit-1: HUMAN PSYCHE AND PSYCHIC FORCES BASED ON YOGA PSYCHOLOGY [10 Hrs.]

Psychology its nature, definition, branches and utility. Psychic forces and human behavior. State of Consciousness according to Yogic scripture (Jagrata, Swapna, Sushupti and Turiya). Types of Personality in Yogic Text (Mudha, Kshipta, Vikshipta, Ekagra, Niruddha). State of Psyche: Satva Raja Tama. Cause of emotions in the mind according to Yoga texts. Learning and Remembering in the context of Jnana Yoga (Shravana, Manana and Nididhyasana);

Unit-2: COGNITIVE MENTAL PROCESS [7 Hrs.]

Sensation, Perception, Attention, Memory, Learning, Feeling- their definition, types and affecting factors. Enhancement of attention and memory through Psycho-yogic techniques. Intelligence and its' measurements; Emotional Intelligence and Social Intelligence.

Unit-3 : PSYCHOLOGICAL DISORDERS [8 Hrs.]

Behavior and Consciousness, Psychological basis of behavior; Causes and Consequences of Conflicts and Frustrations; Depressive disorders; Anxiety disorders; Mental retardation; Attention Deficit Hyperactivity Disorder (ADHD).

Unit-4: COUNCELLING [5 Hrs.]

Meaning and definition of Counselling, Goals, and skills of Counselling, code of ethics for basic counsellors, Relevance of Counselling on Yoga Therapy.

TEXT BOOKS:

1. Abhedananda : The Yoga Psychology, Ramakrishna Vedanta Math, Calcutta, 1973.
2. Sachdev, I.P. : Yoga and Depth Psychology (Motilal Banarsidass, Delhi, 1978).
3. Dr. R S Bhogal : Yoga and Mental Health, Kaivalyadhama Publication, Lonavla, Pune.
4. डा. आर. एस. भोगल : योग एव मानसिक स्वास्थ्य, कैवल्यधाम प्रकाशन, लोनावला, पुणे ।

REFERENCE BOOKS

1. Taimini, I. K : Glimpses into the Psychology of Yoga (Adyar: Theosophical Publishing House, 1973).
2. Aatreya, Shanti Parkash : Yoga Manovijnana (Indian Psychology) (International Standard Publication, Varanasi; 1965.

4. पातंजल योग सूत्र: स्वामी रामदेव महाराज, दिव्य प्रकाशन, हरिद्वार ।

COURSE NAME: YOGA PRACTICUM 5**Course code: BS-CP306****Final Exam (SEE)-70 Marks****Internal Assessment (CT+TA)-30Marks****Objectives**

Following the completion of this course, students shall be able to

- Understand the principle and practice of each practice.
- Demonstrate each practice skillfully.
- Explain the procedure, precaution, benefits and limitations of each practice.
- Quote references of each practice as per traditional texts

Learning Outcomes:

On completion of this course, the students will be able to:

- Develop To Have a perception of different yogic techniques.
- Attain perfection to perform different yogic practices.
- Learn the practical interpretation of Shatkarma, Yogasana, Yajna & Marma.
- Can develop the caliber to conduct practical sessions.

UNIT-1: SHATKARMAS [20 HRS.]

Vastra Dhauti, Sutra Neti, Nauli Chalana, Agnisara.

UNIT-2: YOGASANA (SITTING POSTURES [50 HRS.]

Dandasana, Swastikasana, Padmasana, Vajrasana, Supta Vajrasana, Kagasana, Utkatasana, Gomukhasana, Ushtrasana, Shashankasana, Janusirasana, Paschimottanasana, Bhramacharyasana, Mandukasana, Utthana Mandukasana, Vakrasana, Ardha Matsyendrasana, Marichayasana, Simhasana.

UNIT-3: YAJNA KARMA [30 HRS]

Practice and procedure of Yajna including learning and memorization of mantras. Do's and Don'ts of Yajna.

UNIT-4: MARMA THERAPY [20 HRS]

Identification of various marma points; Application on Marma Points; Activation of Marma Points, its practice and procedure. Therapeutic application of Marma points.

TEXT BOOKS

1. Yogrishi Swami Ramdev Ji: Pranayama Rahasya, Divya Prakashan, Haridwar, 2009
2. Yogrishi Swami Ramdev Ji: Vedic Nityakarma Vidhi, Divya Prakashan, Haridwar, 2010
3. Basavaraddi, I.V. & others: SHATKARMA: A Comprehensive description about Cleansing Process, MDNIY New Delhi, 2009
4. Swami Dharendra Bhramhachari: Yogasana Vijnana, Dharendra Yoga Publications, New Delhi, 1966.
5. Swami Kuvalyananda: Asana, Kaivalyadhama, Lonavla, 1983

BOOKS FOR REFERENCE

1. Basavaraddi I. V. & Others : Teachers Manual for School Teachers, MDNIY, New Delhi, 2010
2. Yajynopathy: Brahmvarchas, Sri Vedmata Gayatri Trust, Shantikunj, Haridwar.
3. Yajna se hoga sunahra kal: Dr Rochna Bharti, Srirang Prakashan, Nashik.
4. Yajnotherapy: Sandip Arya, Vijaikumar Govindram Hasanand, 4408 nai sadak, New Delhi.
5. Marma Chikitsavijnana: Prof. Sunil Kumar Joshi, Mrityunjaya Mission, Aadi Arts, Haridwar.

COURSE CODE: YOGA PRACTICUM 6**Course code: BS-CP307****Final Exam (SEE)-35 Marks****Internal Assessment (CT+TA)-15 Marks****Objectives:**

Following the completion of this course, students shall be able to

- Understand the principle and practice of each practice.
- Demonstrate each practice skillfully.
- Explain the procedure, precaution, benefits and limitations of each practice.
- Quote references of each practice as per traditional texts

Learning Outcomes:

On completion of this course, the students will be able to:

- Develop To Have a perception of different yogic techniques.
- Attain perfection to perform different yogic practices.
- Learn the practical interpretation of Bandha, pranayama, yogasana & meditation.
- Can develop the caliber to conduct practical sessions.

Unit-1: BANDHA [05 HRS]

Jivha Bandha, Jalandhara Bandha, Uddiyana Bandha, Mula Bandha, Maha Bandha, Tri Bandha.

Unit-2: PRANAYAMA (WITH ANTAH & BAHYA KUMBHAKA) [20 HRS]

Surya-bheda Ujjayi Pranayama, Sheetal Pranayama, Shitkari Pranayama, Bhastrika Pranayama. Bhramari Pranayama, Murchha Pranayama, Plavni Pranayama and Chandra-bheda Pranayama,

UNIT-3: YOGASANAS [STANDING POSTURES] -I [20 HRS.]

Tadasana, Vrikshasana, Urdhva-Hastottanasana, Kati Chakrasana ; Ardha Chakrasana, Paada Hastasana; Trikonasana, Parshva Konasana; Veerabhadrasana

Unit-4: PRACTICES LEADING TO MEDITATION. [15 HRS]

Ajapa Dharana (Stage 4,5,6), Yoga Nidra (4,5), Practices leading to Breath Meditation, Practices leading to Om Meditation, Practices leading to Vipassana Meditation, Practices leading to Preksha Meditation.

TEXT BOOKS

1. Yogrishi Swami Ramdev Ji: Pranayama Rahasya, Divya Prakashan, Haridwar, 2009
2. Science Studies Pranayam: Patanjali Research Foundation, Haridwar, 2011
3. Acharya Balkrishna: Yog Vijnanam, Divya Prakashan, 2017.
4. Basavaraddi, I.V. & others : Pranayama; MDNIY New Delhi, 2012

BOOKS FOR REFERENCES

1. Swami Kuvalyananda: Pranayama, Kaivalyadhama, Lonavla, 2005
2. Nagendra, H.R : The art and Science of Pranayama, Swami Vivekananda Yoga Prakashan, 2005, Bangalore.
3. Lajpat, Dr. R.: Discovering Human Potential Energy, Abhinav Rai Publication, Gurgaon, 1996.
4. Saraswati, Swami Satya Nand: Meditation from Tantras, Yoga Publication Trust, Munger, 2004.
5. Sarswati, Swami Niranjananand: Dharana Darshan, Yoga Publication Trust, Munger, 2003.
6. Krishnamacharya, T.: Dhyanamalika, KYM, Chennai, 2005.
7. Swami Satyananda: Yoganidra, Yoga Publication Trust, Munger, 1998.

COURSE NAME: FIELD WORK

Course code: BS-FW308

Final Exam (SEE)-35 Marks

Internal Assessment (CT+TA)-15 Marks

Objectives:

During this period students shall get an opportunity of teaching Yoga modules of **Swami Ramdev Ji** to masses weekly for four hours. The academic institution where the student is undergoing his/her training takes the responsibility of organizing the classes in the near by villages/ institutions/ hospitals/ schools/ colleges etc..

Learning outcomes:

On completion of this course, the students will be able to:

- Develop To Have a perception of teaching different yogic practices.
- Learn and gain perfection to teach yoga practices.
- Know the practical application of specific techniques while dealing with other people.
- Have an ability to conduct yoga sessions.

Duration: **60 Hrs**

Semester-IV

Course Name: ESSENCE OF PRINCIPAL UPANISHADS

Course Code: BS-CT401

Final Exam (SEE)-70 Marks

Internal Assessment (CT+TA)-30Marks

Objectives:

Following the completion of this course, student will be able to

- Have an idea about the major principal Upanishads
- Understand the essence of each Upanishad and how to put them into practice.
- Understand each Upanishad and the role of it in our day to day life.
- Quote references of each practice as per traditional texts

Learning outcomes:

On completion of this course, the students will have:

- Critical To Have a perception of The Astika-Nastika dichotomy in Indian Philosophy, the Upanisadic Philosophy
- To Have a perception the basic theories of three domains of philosophy- Jnana mimamsa, Tatva mimamsa and Niti mimamsa.
- Idea of the concepts of Shaddarshan.
- To Have a perception of Indian scriptures.

UNIT-1: INTRODUCTION ESSENCE OF ISHA & KENOPANISHAD [15 HRS.]

An Introduction to Upanishadic Philosophies; Antiquity of Upanishads; **Ishavasyopanishad:** JnanaNishtha (Ish.1), Karma Nishtha (Ish.2), All compassion Brahman (Ish.5), Nature of Sage (Ish.6, 7), Prayer of dying Man (Ish.15); **Kenopanishad:** The inscrutable being (Kena-I.2, 3 ,4,6) (Kena II.2,3), Greatness of self Idea (KenII.5).

UNIT-2: ESSENCE OF KATHO & PRASHNAPANISHAD [15 HRS.]

Kathopanishad: Futility of earthly pleasure (Katha I.i.26, 27); Glory of wisdom of self (Katha I.ii.1, 5, 6, 7, 12); Atman is immortal (Katha I.ii.18); Conditions of knowing that (Katha I.ii.23,24); The Razor's edge of Jnana (Katha I.iii.14, 15); Sense idea is nothing (Katha II.i.1, 2); The indivisible Brahman (Katha II.i.10, 11) (Katha II.ii.2,9,11)The supreme state; Prashnapanishad: Sun, the life of creatures, The all inclusiveness of Brahman, The state of becoming the soul.

UNIT-3: ESSENCE OF MUNDAKA, MANDUKYA AND TAITRIYA [15 HRS.]

Mundaka: The greatness of Brahmanvidya, The worthlessness of Selfish-karma, Tapas and Gurubhakti, The origin of creation, Brahman the target of, meditation, Know thyself, Everything is Brahman, Purity extolled, Force of Desire, State of moksha; Mandukyopanishad: All this is Brahman, The fourth state of being, Taitriya: Shikshavalli Brahmavalli (Concept of Panch Kosha)

UNIT- 4: ESSENCE OF AITAREYA, CHANDOGYA & BRIHADARANYAKA [15 HRS.]

Aitareya: Everything is only that Atman, All this is Brahman only; Chandogya: The meditation on udgithaomkara, Sandilyavidya, Mystic declarations, The sacrifice of the knower, The paradox of creation, The necessity for a guru, The supreme instruction, Need for To Have a perception, Bhumavidya, The seer's health and purity, Desires should be renounced, Know the Atman; Brihadaranyakam: A prayer of the devotee, The self is the dearest, the self is the absolute, The death of the jnana, How to know the secret Atman, The ocean of the absolute, Words are useless, The atman and its knower, The infinite Brahman, Ethics.

TEXT BOOKS

1. Yogrishi Ramdev: Upnishad Sandesh, Divya prakashan, 2018.
2. Dr. Satyavrit Sidhantalankar: Ekadasho Upnishad

REFERENCE BOOKS

1. Ishadinopnishad: Geeta Press Gorakhpur.
2. Kalyan Upnishad Ank: Geeta Press Gorakhpur

Course Name: METHODS OF TEACHING YOGA

Course Code: BS-CT402

Final Exam (SEE)-70 Marks

Internal Assessment (CT+TA)-30Marks

Objectives:

Following the completion of this course, students shall be able to

- Understand the principles and practices of teaching methods of Yoga.
- Have an indepth To Have a perception about session and lesson planning and class room arrangements.
- Have an idea about the different tools used in Yoga teaching.

Learning outcomes:

Following the completion of this course, students shall be able to

- Understand the general principles and methods of teaching.
- Know the meaning and scope of teaching methods.
- Manage yoga classes of different group of practitioners on the basis of age, sex and number of participants.
- Plan specific techniques for special attentive groups.
- Prepare the ideal lesson plan and its practical applications.
- Know the essential tools for the yoga education.
- Understand the role of yoga for the value based education.

UNIT-1: PRINCIPLES AND METHODS OF TEACHING YOGA [15 HRS.]

Teaching and Learning : Concepts and Relationship between the two; Principles of Teaching: Levels and Phases of Teaching Principles and types of learning, Qualities of a Yoga Teacher, Yogic levels of learning, Vidyarthi, Shishya, Mumukshu; Meaning and scope of Teaching methods, and factors influencing them; Sources of Teaching methods; Importance of Teacher training.

UNIT-2: BASICS OF YOGA CLASS MANAGEMENT [15 HRS.]

Practice of Yoga at different levels (Beginners, Advanced, School Children, Youth, Women and Special attention group); Techniques of mass instructions; Techniques of individualised teaching; Techniques of group teaching; Organisation of teaching (Time Management, Discipline etc.).

UNIT-3: LESSON PLANNING IN YOGA [15 HRS.]

Essentials of Good Lesson Plan: concepts, needs, planning of teaching Yoga (Shatkriya, Asana, Mudra, Pranayama & Meditation); Models of Lesson Plan; Action Research in Yoga: Meaning, Roles, Steps in Action Research in Yoga Teaching; Effective use of Library and other resources.

UNIT-4: EDUCATIONAL TOOLS OF YOGA TEACHING [15 HRS.]

Yoga classroom: Essential features, Area, Sitting arrangement in Yoga class etc.; Class room problems: Types and Solutions, Characteristics and essentials of good Yoga teaching; Time table: Need, Types, Principles of Time table construction; Time Table for Yoga teaching; Meaning, Importance and Types of Educational technology; Role of Educational Technology inYoga.

TEXT BOOKS

1. Yogrishi Swami Ramdev; Yoga Manual for parents and Yoga Teachers, Divya Prakashan, Haridwar, 2010
2. Dr. Gharote M L & Dr S K Ganguly: Teaching methods for Yogic practices, Kaivalyadhama, Lonavala, 2007

BOOKS FOR REFERENCE

1. Dr. Shri Krishna : Notes on basic principles & methods of teaching as applied to Yogic practices and a ready reckoner of Yogic practices, Kaivalyadhama, Lonavala, 2009
2. Dr. Raj Kumar : Principles & methods of Teaching, Printo graphics, Delhi,
3. Saket Raman Tiwari & others : Teaching of Yoga, DPH Publishing Corporation, Delhi, 2007

COURSE NAME: FUNDAMENTALS OF BIOCHEMISTRY AND BIOMECHANICS

Course Code: BS-CT403

Final Exam (SEE) – 70 Marks

Internal Assessment (CT+TA) – 30 Marks

Objectives:

- To understand the biomolecules and their role in our body.
- To Have a perception about the protein, carbohydrate, lipid metabolism.
- To Have a perception basics of kinesiology and Biomechanics.

Learning outcomes:

- Through this course the students are exposed to importance of biological macromolecules
- They acquire idea in the quantitative and qualitative estimation of biomolecules
- They study the influence and role of structure in reactivity of biomolecules
- At the end of the course, the students have a thorough To Have a perception on the role of biomolecules and their functions.
- To learn the meaning of biomechanics.
- To learn kinematics.
- To understand Newton's Laws and their applications.
- To understand brief history and objective of kinesiology.
- To learn the origin, insertion, action and location of important skeletal muscles
- To understand relevance and importance of kinesiology and biomechanics for Yoga.

UNIT – 1: INTRODUCTION TO BIO-CHEMETRY [15 HRS]

Introduction to Bio-Chemistry; chief intracellular components; Introduction to chemical receptors/co-receptors, cell to cell communication, channels & transportation; Definition and classification of Vitamins and their Clinical importance; Basics of Molecular mechanism of O₂ transport and storage, Bio-chemical structure of immunoglobulins their functions and classification. Fundamentals of Bio-Energetics: Biological Oxidation, General concept of oxidation, feature of cellular Oxidations-respiratory chain oxidative phosphorylations,

UNIT – 2: METABOLISM OF CARBOHYDRATES [15 HRS]

Carbohydrates: Definition, classification and general functions; Lipids: definition, classifications and general functions; Proteins: definition, classification, functions and Biomedical Importance, Plasma Proteins and functions; Definition, classification of Enzymes and their functions; Basics of Carbohydrate and Lipid Metabolism; Introduction to hormones and their action; Introduction to common metabolic disorders in relation to Hepatobiliary and Kidney.

UNIT - 3: INTRODUCTION TO KINESIOLOGY AND THE PRINCIPLES OF BIOMECHANICS IN YOGA [15 HRS]

Meaning and Definition of Kinesiology; Basic Biomechanical terms - velocity; acceleration; angular velocity; angular acceleration; Mass; Pressure; Gravity; Friction; Work; Power; Energy; Torque; Bio mechanics; Description of movement of the human body [Kinematics and Kinetics]. Kinetics - the forces producing motion e.g. muscles, gravity; Kinematics – the description of motion e.g. type, location, direction; planes of movement; type of displacement (movement); relevance and importance of kinesiology and biomechanics for Yoga. Qualitative analysis in Asanas movements, joint forces and muscular moment in Asanas, Energy work and muscular power during an movement in Asanas.

UNIT - 4: FUNDAMENTAL OF BASIC TECHNIQUES [15 HRS]

Fundamental concepts of following terms – Axes and Planes; Center of Gravity, Equilibrium, line of Gravity; Fundamental movements at various joints; Fundamental concepts of the following terms – Angle of Pull, All or None Law, Reciprocal Innervations and inhibition; Stretch and postural reflex during the practice of Yoga posture; Force –

meaning, definition, types, and its application to various Yoga Postures; Lever – meaning, definition, types and its application of human body; Newton's Laws of Motion – Meaning, definition and its application to Yoga activities.

TEXT BOOKS

- 1 Knudson, D Fundamentals of biochemicals. New York, NY: Springer, 2007
- 2 Hay, J.G. and Reid, J.G.: Anatomy, mechanics and human motion. Engewood Cliffs, N.J.: prentice Hall Inc. 1988.
- 3 Arvind S Yadav: Comprehensive practical and viva in Bio-chemistry, Jaypee Brothers Medical Publishers Ltd, Delhi, 2004.

BOOKS FOR REFERENCE

1. Patel: Yoga and Rehabilitation, JayPee Brothers, Medical Publication, 2008.
2. Yoga Biomechanics by Jules Mitchel, Handaspring publication, US 2018
3. McGinnis, P.: Biomechanics of sport and exercise. Champaign, IL: Human Kinetics, 2013
4. Willium, E Prentice, Michael I Voight: Technique of musculoskeletal rehabilitation, Mc graw hill education, 2001.

COURSE NAME: COMMUNICATIVE ENGLISH-I

Course Code: BS-AECCT404

Final Exam (SEE)-35 Marks

Internal Assessment (CT+TA)-15Marks

Objective

Following the completion of this course, students shall be able to

- Communicate in English
- Develop reading and writing skills in English
- To communicate in English while Yoga teaching and training.

Learning outcomes:

- To sensitize students to the nuances of spoken and written forms of English
- To update and expand basic informatics skills and attitudes relevant to the emerging idea society
- To familiarize students with the concepts of copy- editing and impart to them basic copy-editing skills.
- To enable them produce grammatically and idiomatically correct language.
- To help them master writing techniques to meet academic and professional needs.
- To engage with a wide range of issues in environmental studies and disaster management.
- To provide sufficient practice in Vocabulary, Grammar, Comprehension and Remedial English from the perspective of career oriented test

UNIT 1- COMMUNICATION [10 HRS]

Writing Letters- Letter for Inquiry, Idioms and Phrases, placing order, Replacement letter, cancellation letter, complaint letter etc.

UNIT 2- DRAFTING ADVERTISEMENT (05 HRS]

Classified Advertisement, Commercial Advertisement

UNIT 3- LITERATURE [10 HRS]

Indian Traditional Idea on Environmental Conservation

An article ligihty ofg Asia – Gautam Buddha

Kafan-Prem Chand

UNIT 4- CONDUCTING YOGA PRACTICLE CLASS IN ENGLISH

Development of skills to enhance ability of conducting Yoga class in English, Demonstration of Yoga practices in english,

REFERENCES

1. Ethan F. Becher: Mastering communication at work: How to lead, manage anmd influence, 2009.
 2. Mathew Mckey, Martha Devis, Patrick: Messages: The communication skill book, 2009
 3. P.S Perkins, Les Brown: The Art and Science of communication, 2008
- Robin Quinn, Joe Kohl: Talk like a winner; 21 simple rules foe achieving everyday communication success, 2008

Course: YOGIC DIET AND NUTRITION

Course Code: BS-GE-405

Final Exam (SEE)-35 Marks

Internal Assessment (CT+TA)-15Marks

Objectives:

Following the completion of this course, students shall be able to

- Understand about Yogic Diet and Nutrition
- Know about ingredients mentioned in hath yogic texts
- Know about biomolecules
- Know about nutrition and nutritional values

Learning Outcomes:

- Students get the idea in Modern concept and Yogic concept of diet.
- Fundamental biochemistry and digestive process.
- Idea in the principles and practice of diet therapy.
- Idea about various types of nutrition and source of the nutrition.
- Necessity of the nutrition to maintain the health.
- Skill in Diet therapy and calculation of the diet based on the requirement in modern concept.

Unit – 1: Yogic Concept of Diet & Nutrition [8 Hrs.]

General Introduction of Ahara (Diet), concept of Mitahara; Definition and Classification in Yogic diet according to traditional Yoga texts; Concepts of Diet according to Gheranda Samhita, Hatha Pradeepika and Bhagavadgeeta; Pathya and Apathya in diet according to Yogic texts; Guna and Ahara; Importance of Yogic Diet in Yog Sadhana; Yogic Diet and its role in healthy living.

Unit –2: Dietetics in Yoga [10 Hrs.]

Vegetarian vs Non-vegetarian Diet, Classification of diet according to trigunas and panchabhuta; Relationships between rasa, guna, virya, Vipaka, prabhav. Botanical details with rasa, guna virya, vipaka, prabhav of Kushmand, palandu, rason, narikel, haridra, tuvarak, vasa, lavang, yashtimadhu, pippali, dudhika, shunthi, dadim, chitrak, marich, jirak, ghrithkumari, bilva, babul, tulsi, apamarg, sharpunkha, shatavari, ashwagandha, ashok, patha, punarnava, kulath, ela, haritki, amlaki, guduchi, amlaki, shali, Yava, Mugda, Ghrta, Kshira, Navanita, Sita, Gud, Madhu, Shunthi, Surana, on various systems of body.

Unit-3: Biomolecules [5 Hrs.]

Introduction to structure and function of biomolecules. Significance of Carbohydrate, Proteins, Lipids, Vitamins, Minerals and water in the body.

Unit-4: NUTRITION-BASICS [7 Hrs.]

Nutrients, proximate principles of diet, balanced diet concept; Carbohydrates, proteins, fats –sources, nutritive values, importance, requirements and deficiencies; Micro and Macro minerals their classification, sources, role, nutritive value, requirements and deficiencies, . Vitamins –sources, roles, requirements.

TEXT BOOKS:

1. Acharya Balkrishna: Ayurveda Sidhhant Rahasya: Divya Prakashan, Haridwar, 2013
2. Acharya Balkrishna: Jadibuti Rahasya: Divya Prakashan, Haridwar, 2013
3. Ramesh Bijlani : Eating Wisely and Well, Rupa Publication India Pvt. Ltd, 2012
4. Stanley Davidson & others : Human Nutrition & Dietetics , The English Language Book Society & Churchill Livings, Revised Edition
5. Swami Mangalteertham : Synthetic approach to Diet & Nutrition, Deogarh Nutan Publication, Deogarh, 2005.

REFERENCE BOOKS

1. Prof. Priyavritt Sharma: Dravyaguna Vijnana, Chaukhambha Bharti Academy, Varanasi.

2. Dr. Shailja Srivastava: Ashtanga samgrah, Chaukhambha Orientalia, Varanasi
3. Dennis Thompson : The Ayurvedic Diet, New age books, New Delhi, 2001
4. Randolph Stone : A Purifying Diet, Lilawati Bhargav Charitable Trust, Delhi, Revised Edition.

Course Name: YOGA PRACTICUM 7- TEACHING SKILLS
Course Code: BS-CP406
Final Exam (SEE)-70 Marks
Internal Assessment (CT+TA)-30Marks

Objectives:

Following the completion of the course, students shall be able to

- Sketch lesson plan for Yoga teaching
- Systematic arrangement of Yoga teaching
- Teach Yoga in the given class.

Learning outcomes:

On completion of this course, the students will be able to:

- Develop To Have a perception of different yogic techniques.
- Attain perfection to perform different yogic practices.
- Perform practically the Yoga session with lesson plan.
- Develop skill to conduct practical sessions.

Students will be required to prepare, present and submit at least 10 lesson plans on Yogic activities on prescribed format including 01 lesson plan on Mantra Chanting/Yajna.

Unit-1: PREPARATION OF 10 LESSON PLAN [50 HRS.]

Students have to prepare 10 lesson plans on prescribed format of various Yoga practices allotted by the course coordinator.

Unit-2: APPLICATION OF PREPARED LESSON PLAN [20 HRS.]

Students have to teach the prepared lesson plan in previous semester Yoga Practicle classes under supervision of Yoga Teachers/Instructors.

Unit-3: PRESENTATION OF LESSON PLAN [10 HRS.]

Each student has to present lesson plans to be evaluated by Yoga Teachers/Instructors/ Assistant Professors.

UNIT -5: SWASTIVACHANA (1-15 VERSES) [20 HRS]

To Have a perception, memorization and recitation of Mantras

UNIT-4: CONTINUOUS EVALUATION BY THE TEACHER [20 HRS]

TEXT BOOKS

1. Yogrishi Swami Ramdev; Yoga Manual for parents and Yoga Teachers, Divya Prakashan, Haridwar, 2010
2. Dr. Gharote M L & Dr S K Ganguly: Teaching methods for Yogic practices, Kaivalyadhama, Lonavala, 2007

Course Name: YOGA PRACTICUM 8
Course Code: BS-CP407
Final Exam (SEE)-35 Marks
Internal Assessment (CT+TA)-15 Marks

Objectives

Following the completion of this course, students shall be able to

- Understand the principle and practice of each practice.
- Demonstrate each practice skillfully.
- Explain the procedure, precaution, benefits and limitations of each practice.

Learning outcomes:

On completion of this course, the students will be able to:

- Develop To Have a perception of different yogic techniques.
- Attain perfection to perform different yogic practices.
- Perform practically the Shatkarma, Asanas, Mudras & Meditation.
- Develop skill to conduct practical sessions.

UNIT 1: SHATKARMAS [25 HRS]

Gajkarni, Vasti, Naulichalana,

UNIT-2: ASANAS [25 HRS]

Karnapeedasana, Kapotasana, Rajkapotasana, Bakasana, Kukkutasana, Garbhasana, Marjariasana, Matsyendrasana, Sirsasana, Padangushthasana, Hastapadangushthasana, Garudasana, Vatayanasana, Natrajasana, Mayurasana, Ekpada Kandarasana, Dwipadakandarasana.

UNIT-3: MUDRAS [10 HRS]

Yoga Mudra, Maha Mudra, Shanmukhi Mudra, Shambhavi Mudra, Kaki Mudra, Tadagi Mudra, Vipareet Karni Mudra, Simha Mudra, Nasagra Mudra, Bhuchari Mudra, Ashwini Mudra, Mahavedha Mudra.

UNIT-3: PRACTICE LEADING TO MEDITATION [10 HRS]

Pranava and Soham Japa, Antar mouna, Dharana, Practice of Dhyana, Breath Meditation, Om Meditation Vipassana Meditation, Preksha Meditation.

TEXT BOOKS

1. Yogrishi Swami Ramdev Ji: Pranayama Rahasya: Divya Prakashan, 2009.
2. Swami Rama: Science of Breath, A Practical Guide, The Himalayan International Institute, Pennsylvania, 1998.
3. Swami Niranjananand Saraswati: Prana, Pranayama & Pranvidya, Yoga Publications Trust, Munger, Bihar, 2005.

REFERENCE BOOKS

1. Science Studies Pranayam, Patanjali Research Foundation, Haridwar 2011
2. Iyengar, B.K.S.: Light on Yoga, Harper Collins Publishers, 2009
3. Swami Kuvalyananda : Pranayama, Kaivalyadhama, Lonavla, 2010
4. Swami Satyananda Saraswati: Asana, Pranayama, Bandha, Mudra, Bihar School of Yoga, Munger, 2005-06.

Course Name: PRACTICUM BIOCHEMISTRY & BIOMECHANICS

Course Code: BS-CP408

Final Exam (SEE)-35 Marks

Internal Assessment (CT+TA)-15Marks

Objectives:

Following the completion of this course, students shall be able to

- Understand the principle and procedure of each experiment.
- Demonstrate each experiment skillfully.
- Interpret the result during experiment.

Learning outcomes:

- Know the principle and procedure of each experiment.
- Critical To Have a perception of demonstrate each experiment skillfully.
- Understanding the Interpret the result during experiment.

UNIT-1: DEMONSTRATION [20 HRS]

Identification and Analysis of Constituents in Normal Urine –Urea-Uric acid – creatinine – Calcium and Phosphorous – Sulphate Ammonia – Chloride; Identification and Analysis of Constituents in Abnormal Urine – Protein, blood, bile pigments – bile salts, sugar, Ketone bodies; Identification and Analysis of glucose, fructose, lactose, maltose, sucrose; Identification and Analysis of Albumin, Casein, gelatin; Identification and Analysis of Blood glucose; Identification and Analysis of Blood Urea; Identification and Analysis of Urinary creatinine; Identification and Analysis of Gastric juice; Identification and Analysis of Urinal Chlorides.

UNIT-2: DEMONSTRATION [30 HRS]

Velocity; acceleration; angular velocity; angular acceleration; Mass; Pressure; Gravity; Friction; Torque; Kinematics – the description of motion e.g. type, location, direction; planes of movement; type of displacement (movement); Qualitative analysis in Asanas movements, joint forces and muscular moment in Asanas, Energy work and muscular power during an movement in Asanas.

Center of Gravity, Equilibrium, line of Gravity; Fundamental movements at various joints; Angle of Pull, All or None Law, Reciprocal Innervations and inhibition; Stretch and postural reflex during the practice of Yoga posture; Force, Lever; Newton's Laws of Motion .

UNIT-3: TEACHER'S CONINUOUS EVALUATION [10 HRS]

TEXT BOOKS

1. Keith Wilson & John Walker :Principles & Techniques of Practical Biochemistry, 5th edition
2. V.K.Malhotra :Practical Biochemistry for students, 4thedition, 2008, 12th edition 2012, Jaypee Brothers medical Publishers Ltd.
3. Yoga Biomechanics by Jules Mitchel, Handaspring publication, US 2018

REFERENCE BOOKS

1. ShrutiMohanty&Aparna B. Varma:Practical Clinical Biochemistry, Jaypee Brothers medical Publishers ltd. 2013
2. D.M. Vasudewan&Subir Kumar Das :Practical Textbook of Biochemistry for medical students, Jaypee Brothers medical Publishers ltd. 2013
3. Patel: Yoga and Rehabilitation, JayPee Brothers, Medical Publication, 2008.
4. McGinnis, P.: Biomechanics of sport and exercise. Champaign, IL: Human Kinetics, 2013

Semester-V

Course Name: INTRODUCTION TO INDIAN PHILOSOPHY AND VEDIC CULTURE

Course Code: BS-CT 501

Final Exam (SEE)-70 Marks

Internal Assessment (CT+TA)-30Marks

Objective:

After studying this Course student can able to undersatand

- Various Indian philosophies.
- Shaddarshanas
- Various features of traditional Indian culture

Learning Outcomes:

Following the completion of this course, students will be able to

- Identify Approaches towards the sources and the study of ancient Indian history.
- Evolution of social and political institutions in the Vedic society ,Religious dissent and the rise of Jainism and Buddhism
- Understand about Puranic Religions

UNIT 1. INTRODUCTION TO INDIAN PHILOSOPHY [10 HRS]

Meaning and definition of Philosophy, Importance of philosophy in life, special features and importance of philosophy, various systems of philosophy- Vaidic & Avaidic drashan, three domains of philosophy- Jnana mimamsa (praman mimamsa- epistemology), Tatva mimamsa (metaphysics), Niti mimamsa (Achaar mimamsa- ethical theory).

UNIT 2. INTRODUCTION TO SHADDARSHAN [20 HRS]

General introduction, Metaphysical & ethical principals of Vaidik Philosophies (Nyaya, Vaisheshik, Samkhya, Yoga, Mimamsa and Vedant).

UNIT 3. INTRODUCTION TO JAIN, BUDHHA AND CHARVAK PHILOSOPHY [10 HRS]

General introduction, Metaphysical & ethical principals of non vaidik Philosophies (Jain, budhha, charvak).

UNIT 4. INTRODUCTION TO CULTURE [10 HRS]

Meaning and definition of culture, introduction to Indian scriptures i.e. Vedas, Upnishad, Ramayana, Mahabharata, Gita.

UNIT 5. FEATURES OF INDIAN CULTURE [10 HRS]

Purushaarth chatustaya, Ashram Vyavastha, Varna vyavastha, Karma sidhhant, Shodash sanskaar, Panchmahayajna, Rinatraya, Sahastitva, Vishvabandhutva.

TEXT BOOKS

Bhartiya Darshan	:	Acharya Baldev
Sarvadarshan Samgrah	:	Madhvacharya
Vaidic Sahiya evam darshan	:	Dr. Kapildev Shastri
Dharma Darshan Sanskriti	:	Dr. Roopkishore Shastri

REFERENCE BOOKS:

A critical Study of Indian Philosophy	:	Dr. R.P. Sharma
Bhartiya Darshan	§	Dr. Sarvapalli Radhakrishnan
Darshan pravesh	:	Yogrishi Swami Ramdev, Divya prakashan, Haridwar
Bhartiya Sanskriti ka itihaas	:	Dr. Satyaketu vidyalankaar.

Course Name: YOGA THERAPY-I

Course Code: BS-CT502

Final Exam (SEE)-70 Marks

Internal Assessment (CT+TA)-30Marks

Objectives:

- To understand the principles of Yoga Therapy according to diseases.
- To prepare standard Yoga Therapy protocol according to diseases.
- To understand the cause of disease and the role of Yoga in health and healing.

Learning outcomes:

- Understanding the Basic concept of Yoga Therapy.
- Basic pathophysiology and medical terminology of diseases with yogic management.
- Know that What research has been done to support the use of yoga therapy in these conditions
- How to assess clients' needs in terms of developing an individualized yoga therapy plan for them
- How to evaluate yoga therapy plans and to modify them as needed
- Ways to develop group classes for people with these conditions

UNIT-1: FUNDAMENTALS OF YOGA THERAPY [15 HRS.]

Concept of Yoga therapy, Meaning, definition, principles, impact factors and limitations, qualities of Yoga therapy, therapeutic physiology of Shatkarma Asan, Pranayam, Mudra, Bandha, Dharna and Dhyan.

UNIT-2: CARDIOVASCULAR DISORDERS [15 HRS.]

Introduction to Cardiovascular disorders- hypertension; (definition, etio- pathogenesis, classification and its Yogic management), atherosclerosis/coronary artery disease(definition, etio- pathogenesis, classification and its Yogic management), Ischemic heart disease- Angina pectoris/myocardial infarction (definition, etio- pathogenesis, classification and its Yogic management)

UNIT-3: RESPIRATORY DISORDERS [15 HRS.]

Introduction to respiratory disorder, Bronchial Asthma (definition, etio- pathogenesis, classification and its Yogic management), Chronic Obstruction Pulmonary disorders (COPD), (definition, etio- pathogenesis, classification and its Yogic management), Allergic Rhinitis (definition, etio- pathogenesis, classification and its Yogic management), Pulmonary tuberculosis (definition, etio- pathogenesis, classification and its Yogic management).

UNIT-4: GASTRO INTESTINAL DISORDERS. [15 HRS.]

Gastro Intestinal disorder, Acid peptic disease (definition, etio- pathogenesis, classification and its Yogic management), Irritable Bowel Syndrome (definition, etio- pathogenesis, classification and its Yogic management), Hepatitis (definition, etio- pathogenesis, classification and its Yogic management), Diabetes Mellitus (definition, etio- pathogenesis, classification and its Yogic management), and Hypo/Hyper Thyroidism (definition, etio- pathogenesis, classification and its Yogic management).

TEXT BOOKS

1. Yogrishi Swami Ram Dev: Yog Sadhana evam Yog Chikitsa Rahasya: Divya Prakashan, Haridwar
2. Acharya Balkrishna: Yog Vijnanam, Divya Prakashan, Haridwar, 2017.
3. Basavaraddi I V: Yoga Therapy Series, MDNIY, New Delhi
4. Dr. Manmath M Gharote, Dr. Vijay Kant : Therapeutic reference in Traditional Yoga texts
5. M. M. Gore : Anatomy and Physiology of Yogic Practices (New Age Books, New Delhi, 2008)

BOOKS FOR REFERENCE

1. Yogic Management of Common Ailments: Kaivalyadhama, Lonavla, Pune.
2. Yogic management of Common Diseases: Dr Swami Karmananda; Yoga Publication Trust, Munger, Bihar.

3. Yogic management of Asthma & Diabetes: Dr Shankardevananda; Yoga Publication Trust, Munger, Bihar.
4. Yogrishi Swami Ramdev: Yoga in synergy with Medicakl Science, Divya Prakashan, 2007

Course Name: COMPLEMENTARY & ALTERNATIVE THERAPY

Course Code: BS-CT503

Final Exam (SEE)-70 Marks

Internal Assessment (CT+TA)-30Marks

Objectives

Following the completion of the course, students shall be able to

- To understand fundamentals of complementary medicine.
- To understand the fundamentals of Alternative Therapy.
- To know the basics of Acupressure to discuss protocol for CAT specific disease management.
- To discuss protocol for CAT specific disease management.

Learning outcomes:

Following the completion of the course, students shall be able to

- To Have a perception of differentiate between complementary, alternative (CAM) and integrative medicine;
- Describe the common types of CAM therapy available in India, with emphasis on the working principles of aromatherapy, massage therapy, reflexology, Yoga and meditation, expressive therapy, etc.;
- Discuss the effectiveness, contraindications and adverse effects of CAM therapy.
- Explore the application and integration of CAM into mainstream medicine and recognise the main challenges.
- Identify the ethical, legal and professional issues of CAM therapy
- Demonstrate enhanced professionalism in terms of care, integrity and sense of responsibility.

UNIT- I: FUNDAMENTALS OF CAT [10 HRS.]

CAT History meaning, definition, objectives and types, Prevalence; Contemporary need, Applications and Limitations; Yoga Therapy as Mind Body Therapy: origin, meaning definition aims, principles and practice, Impact, prevalence, applications and limitations.

UNIT- 2: MANIPULATIVE-BODY BASED THERAPY (MBT): [10 HRS.]

Manipulative body based therapy its meaning, definition, aims, principles, types, prevalence, impacts, applications and limitations. ,

UNIT- 3: ACUPRESSURE AND ENERGY MEDICINE- [30 HRS.]

Acupressure- (origin, meaning, definition, principles), five-elements theory, chi-clock cycle, Meridian Systems and Locating Acupoints on 12 Major Meridians and Reflexology. Energy Medicine: History, Meaning, Definition, Types, Principles, Applications and Limitations. Pranic Healing: Origin, History, Meaning and Sources of Prana; Principles, Law of Action, & Types (Basic, Advanced, and Psychotherapy); Bio-plasmic body/Aura: structure, types and size; Energy Centers (EC): Meaning, Types (Major, Minor and Mini), Sizes, Colors, Functions and Consequences of their Dysfunctions;

UNIT- 4: COMPLEMENTARY AND ALTERNATIVE THERAPIES [10 HRS.]

Complementary and Alternative Therapies for hyperacidity, migraine, insomnia, Depression and anxiety, menstrual disorders, Asthma and Pneumonia, low back pain, arthritis, obesity, diabetes, Hyper/ Hypotension, Hyperthyroidism, Hypothyroidism, Epilepsy, Anxiety, Obsessive compulsive disorder (OCD), Leucorrhoea.

TEXT BOOKS

1. Yuan, Chun-Su., & Bieber, E. J. (2003). Textbook of complementary and alternative medicine. New York, NY: The Parthenon Publishing Group.
2. Sharma, S. (2013). Pran Chikitsa (2nd ed.). Mathura, India: Akhand Jyoti Samsthan.
3. Micozzi, M. S. (2015). Fundamentals of complementary and alternative medicine (5th ed.). China
- 4.

REFERENCE

1. Sui, M. C. K. (2005). Advanced pranic healing. Banglore, India: World India Pranic Healin Foundation-India.
2. Sui, M. C. K. (2005). Pranic Psychotherapy (2nd ed.). Banglore, India: World India Pranic Healing Foundation-India.
3. Sharma, S. (2013). Chikitsa Upchar Ke Vividh Ayam (2nd ed.). Mathura, India: Akhand Jyoti Samsthan.
4. Lian, Yu-Lin; Chen, Chun-Yan; Hammes, M. & Kolster, B. C. (2005). Pictorial atlas of acupuncture: An illustrated manual of acupuncture points. Solvenia: h. f. ullmann.

Course Name: COMMUNICATIVE ENGLISH-II

Course Code: BS-AECCT 504

Final Exam (SEE)-35 Marks

Internal Assessment (CT+TA)-15Marks

Objective

Following the completion of this course, students shall be able to

- Communicate in English
- Develop reading and writing skills in English
- To communicate in English while teachings of Yoga

Learning outcomes:

- To sensitize students to the nuances of spoken and written forms of English
- To update and expand basic informatics skills and attitudes relevant to the emerging idea society
- To familiarize students with the concepts of copy- editing and impart to them basic copy-editing skills.
- To enable them produce grammatically and idiomatically correct language.
- To help them master writing techniques to meet academic and professional needs.
- To engage with a wide range of issues in environmental studies and disaster management.
- To provide sufficient practice in Vocabulary, Grammar, Comprehension and Remedial English from the perspective of career oriented test

UNIT 1- COMMUNICATION [10 HRS]

Paragraph writing, Reading comprehensions, listening comprehensions, Note making, Summary, Referencing to encyclopedia and dictionary, debate writing, speech writing, article writing, Phonetics transcription, Precise writing

UNIT 2- INTERVIEW (05 HRS)

Group discussion, personal interview, Telephonic interview, Resume writing etc.

UNIT 3- LITERATURE [15 HRS]

- Ramayana
- Srimadbhagwad Geeta
- Panchtantra with respect to Yama Niyama

REFERENCES

1. Ethan F. Becher: Mastering communication at work: How to lead, manage and influence, 2009.
2. Mathew Mckey, Martha Devis, Patrick: Messages: The communication skill book, 2009
3. P.S Perkins, Les Brown: The Art and Science of communication, 2008
4. Robin Quinn, Joe Kohl: Talk like a winner; 21 simple rules for achieving everyday communication success, 2008
5. Srimadbhagwadgeeta by Paramhansa Yogananda.

Course Name: HUMAN SYSTEM ACCORDING TO YOGA

Course Code: DSE-505

Final Exam (SEE)-35 Marks

Internal Assessment (CT+TA)-15 Marks

Objective

Following the completion of this course, students shall be able to

- Know about ytradiational concept of evolution
- Understand the traditional concept of body and its origin and development.
- Understand the subtle nature of body energies.

Learning outcomes:

Following the completion of this course, students shall be able to

- To increase students' idea regarding Evolution of human body in the context of Sāinkhya Yoga.
- To cultivate awareness of the interconnection between body, mind, spirit and community in order to affect attitudinal change regarding health and wellness.
- To ensure that students have the ability to apply the idea , skills and awareness of Evolution of body.
- To promote sensitivity to the issues of diversity and multiculturalism within the continuum of individual and global health and wellness.
- Have a deep To Have a perception of Pancha Kosa, Chakras and Mandalas & Vayus, Nadis and Svava Yoga.

Unit-1: EVOLUTION OF BODY [10 Hrs.]

Pancamahābhūtas, Pancatattvas and Pancatanmātrās, Evolution of human body in the context of Sāinkhya Yoga, Evolution of Jñānendriyas, Karmendriyas, Mahat, manas, Buddhi, Citta and Ahaākāra, Saptadhātus that make a human body.

Unit-2: PANCHA KOSA THEORY [5 Hrs.]

Critical analysis of the story of Bhāgu and Varuna; The existence of five kohas in the human body; The product of five kohas; Disturbance of each koha.

Unit-3: CHAKRAS AND MANDALAS [5 Hrs.]

Introduction to Tantra, brief of Tantra Yog, Introduction to Cakras; Evolution through the Cakras; Description of Mūlādhāra, Svādhishthāna, Manipura, Anāhata, Vihuddhi, Bindubisarga and Sahasrāra Cakras; Concept of Mandalas, types and their work.

Unit-4: VAYUS, NADIS AND SVARA YOGA [10 Hrs.]

Concept of Vāyus, type, their names and function; Concept of Nānēs, their characteristics and name of 10 major Nānēs and their functions; Difference between Inā, Piigalā and Sushumnā; Effects of SvavaYoga as explained in the Haōha Yogic texts, Relevance of Svava-vijnāna in daytoday life and the importance of Svarodaya in health and disease.

TEXT BOOKS

1. Yogrishi Swami Ramdev Ji: Pranayam Rahasya: Divya Prakashan, Haridwar, 2009
2. Tantra Nadi Kriya Vijnana: CCRYN Publication, New Delhi
3. Nityananda Paramhansa: Tantra Darshan
4. Dr H R Nagendra & Dr R Nagarathna : Yoga Health (Swami Vivekananda Yoga Prakashana, 2000)
5. Taitriyaupnishad

REFERENCE BOOKS

1. Nagendra HR: Integrated Approach of Yoga Therapy for positive health, Swami Vivekananda Yoga Prakashana, Bangalore.
2. Swami Niranananda : Prana, Pranayama & Pranavidya, Saraswati Yoga Publication Trust, Munger.
3. Swami Harshananda: The Six Systems of Hindu Philosophy, Ramakrishna Math, Bangalore, 2000
4. Shivswarodaya, Kaivalyadhama, Lonavla, Pune.

Course Name: YOGA PRACTICUM 9- DISEASE SPECIFIC YOGA THERAPY MODULES-I
Course Code: BS-CP506

Final Exam (SEE)-70 Marks
Internal Assessment (CT+TA)-30Marks

Objective

Following the completion of this course, students shall be able to

- Understand about various therapeutic Yoga modules.
- Understand the way of application of Yoga therapy modules.
- Know disease wise application of Yoga therapy modules.
- Differentiate between Yoga training and therapeutical application of Yoga

Learning Outcomes:

On completion of this course, the students will be able to:

- Develop To Have a perception of different yogic techniques.
- Attain perfection to perform different yogic practices.
- Learn the practical interpretation of Yoga Module for various diseases.
- Conduct practical sessions for Cardiovascular, Respiratory & Gastro Intestinal Disorders.
- Explain techniques of Swastivachana.

UNIT 1- ANATOMY & PHYSIOLOGY OF YOGIC PRACTICES [20 HRS]

Mechanism of Asana, difference between Asana and exercise

UNIT 2- YOGA THERAPY MODULES FOR CARDIOVASCULAR DISORDERS [30 HRS]

Hypertension; hypotension, atherosclerosis, coronary artery disease, Angina pectoris/myocardial infarction

UNIT-3: RESPIRATORY DISORDERS [25 HRS.]

Bronchial Asthma, Chronic Obstruction Pulmonary disorders (COPD), Allergic Rhinitis, Pulmonary tuberculosis

UNIT-4: GASTRO INTESTINAL DISORDERS. [25 HRS.]

Gastro Intestinal disorder, Acid peptic disease, Irritable Bowel Syndrome, Hepatitis, Diabetes Mellitus and Hypothyroidism, Hyperthyroidism.

UNIT -5: SWASTIVACHANA (16-31 VERSES) [20 HRS]

To Have a perception, memorization and recitation of Mantras

TEXT BOOKS

1. Yogrishi Swami Ram Dev: Yog Sadhana evam Yog Chikitsa Rahasya: Divya Prakashan, Haridwar
2. Acharya Balkrishna: Yog Vijnanam, Divya Prakashan, Haridwar, 2017.
3. Basavaraddi I V: Yoga Therapy Series, MDNIY, New Delhi
4. Dr. Manmath M Gharote, Dr. Vijay Kant : Therapeutic reference in Traditional Yoga texts
5. M. M. Gore : Anatomy and Physiology of Yogic Practices (New Age Books, New Delhi, 2008)

BOOKS FOR REFERENCE

1. Science Studies Pranayam, Patanjali Research Foundation, Haridwar 2011
2. Yogic Management of Common Ailments: Kaivalyadhama, Lonavla, Pune.
3. Yogic management of Common Diseases: Dr Swami Karmananda; Yoga Publication Trust, Munger, Bihar.
4. Yogic management of Asthma & Diabetes: Dr Shankardevananda; Yoga Publication Trust, Munger, Bihar.
5. Yogrishi Swami Ramdev: Yoga in synergy with Medicakl Science, Divya Prakashan, 2007

Course Name: YOGA PRACTICUM 10 - STUDY TOUR
Course Code: BS-ST507
Final Exam (SEE)-35 Marks
Internal Assessment (CT+TA)-15Marks

Objectives:

- Development of social skills
- Improvement of communication skills
- Enhancement of critical thinking skills
- Enhance academic performance

Learning outcomes:

- Effective learning from real-world experience
- Better chance for exchange of ideas
- Personal development
- Enhanced perspective of the world around
- Better networking skills

UNIT-1: STUDY TOUR

The study tour is to give exposure to the students on the activities being conducted by reputed Yoga Institutes/ Colleges/ Universities/ Yoga Centers/ Yogic Hospitals. The students may be taken to any one or more than one Yoga Institutes /Yoga Centers etc. of repute in India. The Study Tour shall be arranged by the Institute and the expenses shall be borne by the concerned students only. Each student has to submit a Study Tour observation report that will be evaluated by the teacher who is in-charge of the study tour and also **counter signed by the Course Coordinator**. The Study Tour will carry marks as mentioned in the Scheme of examination.

UNIT-2: PRESENTATION

Presentations of Study Tour Report, its Utility and the exposure got to enhance their learning

Course Name: COMPLEMENTARY AND ALTERNATIVE THERAPY PRACTICUM
Course Code: BS-CP508
Final Exam (SEE)-35 Marks
Internal Assessment (CT+TA)-15 Marks

Objectives:

Following the completion of the course, students shall be able to

- To understand fundamentals of complementary medicine.
- To understand the fundamentals of Alternative Therapy.
- To know the basics of Accupressure to discuss protocol for CAT specific disease management.
- To discuss protocol for CAT specific disease management.

Learning outcomes:

Following the completion of the course, students shall be able to

- To Have a perception of differentiate between complementary, alternative (CAM) and integrative medicine;
- To Have a perception the demonstration of CAT with various diseases.

Duration – 60 Hrs.

Aims of the paper: The teaching-learning of this paper will enable learner to –

1. Practice skills of therapeutics related to acupressure, for managing some of the common health problems and rejuvenation. **[30HRS]**
2. Demonstration of Complementary and Alternative therapies of low back pain, Arthritis, obesity, diabetes, hyper/ hypotension, Hyper/ Hypothyroidism, Hyperacidity, , migrain, insomnia, Depression, Anxiety, Menstrual disorders & Asthma, Pneumonia. **[30HRS]**

Semester-VI

Course Name: YOGA AND HUMAN VALUES

Course Code: BS-CT601

Final Exam (SEE)-70 Marks

Internal Assessment (CT+TA)-30Marks

Objectives

Following the completion of the course, students shall be able to

- Understand the concept of harmony in human being, family and society.
- Understand the concept of human values.
- Have an To Have a perception about our social responsibility.

Learning outcomes:

Following the completion of this course, students shall be able to

- To develop skills that will positively enhance personal, community and global Values.
- To develop skills that will positively enhance Indian Scriptures.
- These issues will help to sensitize students to be broader towards the social, cultural, economic and human issues, involved in social changes
- Able to understand the nature of the individual and the relationship between the self and the community
- To Have a perception major ideas, values, beliefs, and experiences that have shaped human history and cultures

UNIT-1: CONCEPT OF VALUES [10 HRS.]

Value- Meaning, definition, Types, Need, Importance, Relevance in present era, Basis of Values, Global Values.

UNIT -2: VALUES IN INDIAN CONTEXT [20 HRS.]

Values in Vedas, Upanishads, Ramayana, Mahabharata, Manuscript, Philosophical Texts- Yoga, Vedanta, Buddhism Jainism , Values in Indian constitution

UNIT -3: VALUES IN WESTERN CONTEXT [10 HRS.]

European values, American Values, Values in Greek Philosophy- Socrates, Plato & Aristotle, Value & in Christianity, Values in Post-Renaissance Period, Global values in Modern era-Justice, Freedom, Equality etc.

UNIT -4: YOGA, VALUES & HUMAN RELATIONSHIP [20 HRS.]

Yogic life style as value based life style, Role of Yoga in developing the value oriented personality and ethics, Values and ethics in Family, Yogic concept of human relationship- Maitri, Karuna, Mudita, Upeksha, Harmony in society through Yoga, Yoga as a Global value- a remedy for all global problems.

TEXT BOOKS

1. Acharya Balkrishna: Grihastha Yog Sathak ke Guna: Divya Prakashan, Haridwar 2017.
2. Singh M S : Value Education, Adhyayan Publishers & Distributors, New Delhi, 2007
3. Chand Jagdish : Value Education, Anshah Publishing House, Delhi, 2007
4. Swami Ranganathananda: The Message of Upanishad, Bhartiya Vidya Bhawan, Delhi, 2001.

BOOKS FOR REFERENCE

1. Kesari Vedanta : Values: The Key to a meaningful life; Sri Ramakrishna Math, Chennai, 2005
2. Prasad Rajendra : Varnadharm, Niskhana Karma & Practical Morality: A Critical essay on applied ethics, DK Print world Pvt. Ltd, Delhi, 1999
3. Radhakrishnan S: Indian Philosophy, Vol. 2, Oxford University, Delhi, 2008
4. Panda Sanjay Kumar: Corporate Social Responsibility in India: Past, Present & Future, The ICFAI University press, Hyderabad, 2008

5. Gawande E N : Value Oriented Education: Vision for better living, Sarup & Sons Publishers, New Delhi, 2008

Course Name: YOGA THERAPY-II
Course code: BS-CT602
Final Exam (SEE)-70 Marks
Internal Assessment (CT+TA)-30Marks

Objectives:

Following the completion of the course, students shall be able to

- Understand the principle of Yoga therapy for each disease
- Write standard Yoga therapy protocol for each disease.
- Understand the causes of disease and the role of Yoga for its healing.

Learning outcomes:

- Understanding the Basic and advance concept of Yoga Therapy.
- Basic pathophysiology and medical terminology of diseases with yogic management.
- Know that What research has been done to support the use of yoga therapy in these conditions
- How to assess clients' needs in terms of developing an individualized yoga therapy plan for them
- How to evaluate yoga therapy plans and to modify them as needed
- Ways to develop group classes for people with these conditions

UNIT -1: NEURO MUSCULAR DISORDERS [15 HRS.]

Neuro muscular: Back Pain (definition, etio- pathogenesis, classification and its Yogic management), Rheumatoid Arthritis (definition, etio- pathogenesis, classification and its Yogic management), Inter vertebral disc Prolapse (IVDP) (definition, etio- pathogenesis, classification and its Yogic management), spondylosis (definition, etio- pathogenesis, classification and its Yogic management), spondylolisthesis (definition, etio- pathogenesis, classification and its Yogic management), Radiculopathy (definition, etio- pathogenesis, classification and its Yogic management).

UNIT-2: OBSTETRICS & GYNECOLOGICAL DISORDERS [15 HRS.]

Yogic management for Pregnancy induced hypertension; Pre-eclampsia; Intra-Uterine Growth Retardation (IUGR); menstrual disorders (e.g., dysmenorrhea, pre-menstrual syndrome); Infertility; Menopause.

UNIT -3: NEUROLOGICAL DISORDER [15 HRS.]

Headache/ Migraine (definition, etio- pathogenesis, classification and its Yogic management), Idiopathic Parkinsonism Disease (definition, etio- pathogenesis, classification and its Yogic management), Schizophrenia (definition, etio- pathogenesis, classification and its Yogic management), Obsessive Compulsive Disorders (OCD) (definition, etio- pathogenesis, classification and its Yogic management), Epilepsy (definition, etio- pathogenesis, classification and its Yogic management).

UNIT- 4: CANCER MANAGEMENT [15 HRS.]

Cancer; its causes, types, clinical features, side effects of chemotherapy, radiotherapy and its Yogic management.

TEXT BOOKS

1. Yogrishi Swami Ram Dev: Yog Sadhana evam Yog Chikitsa Rahasya: Divya Prakashan, Haridwar
2. Acharya Balkrishna: Yog Vijnanam, Divya Prakashan, Haridwar, 2017.
3. Basavaraddi I V: Yoga Therapy Series, MDNIY, New Delhi
4. Reddy M Venkata & others: Yogic Therapy, Sri M.S.R. Memorial Yoga series, Arthamuru A.P., 2005
5. Ramesh Bijlan : Back to Health Through Yoga, Rupa Publications India Pvt. Ltd, 2011

BOOKS FOR REFERENCE

1. Yogrishi Swami Ramdev: Yoga in synergy with Medical Science, Divya Prakashan, 2007
2. Swami Satyananda Saraswati : Yoga and Cardio Vascular Management, Yoga Publication Trust, Munger, 2005.

3. Clennell, B and Iyengar, G.S. : The Woman's Yoga Book: Asana and Pranayama for All Phases of the Menstrual Cycle, Menstrual Disorders (The Experience of Illness) (Paperback - Dec 3, 1992).
4. Nagarathna R and Nagendra H R: Yoga for Arthritis, Back pain, Diabetes, Pregnancy, Breathing Practices, Swami Vivekananda Yoga Prakasana, Bangalore, 2000.
5. Robin Monoro, Nagarathna R and Nagendra, H.R.: Yoga for Common Ailments, Guia Publication, U.K., 1990
6. Yogic management of Common Diseases: Dr Swami Karmananda; Yoga Publication Trust, Munger, Bihar.
7. Dr. Manmath M Gharote, Dr. Vijay Kant : Therapeutic reference in Traditional Yoga texts

Course Name: RESEARCH METHODOLOGY AND STATISTICS

Course code: BS-CT603

Final Exam (SEE)-70 Marks

Internal Assessment (CT+TA)-30Marks

Objectives

Following the completion of the course, students shall be able to

- Understand the concept of research and its methodology for carrying minor and major research.
- Feed and analyze the data.
- Organize the data and represent the data.

Learning outcomes:

Following the completion of this course, students shall be able to

- Understand the meaning and definition of Research.
- Know the nature and different types of Hypothesis.
- Understand the scientific methods of Observations and Experiments.
- Define nature of Variable, Sampling and Research Design.
- Learn the Graphical representation of Research data.
- Become aware of measures of Central Tendency and Variability
- To Have a perception the report writing.

UNIT- 1: INTRODUCTION TO RESEARCH METHODOLOGY [15 HRS.]

Definition of research; Importance of Studying Research Methods: Evaluating Research Reports; Conducting Research, Thinking Critically about Research; Types of research Applied Research & Basic Research; Goals of Research: description, explanation, prediction, and control of behavior; Ethics of research: Informed consent, Anonymity, Confidentiality, Plagiarism.

UNIT- 2: INTRODUCTION TO RESEARCH PROCESS [15 HRS.]

Research questions; Literature review; Different Sources of Information: Primary, Secondary, Tertiary source; Electronic Databases: Google Scholar, Pubmed & PsycINFO; Hypothesis Sampling and Generalization - Population and Sample; Probability Sampling: Simple Random Sampling, Systematic Sampling, Stratified Sampling, Cluster Sampling; Sampling Bias and Nonprobability Sampling: snowball sampling, convenience; Types of Biological data (Scales of measurement) – nominal, ordinal, interval, ratio; Types of variables – Independent, dependent, confounding variable; Reliability & Validity.

UNIT-3: INTRODUCTION TO RESEARCH DESIGN [15 HRS.]

Cross-sectional studies and its advantages and disadvantages; Cohort studies and its advantages and disadvantages; Randomized controlled trials and its advantages and disadvantages; Factors need to be considered when designing a study: Availability of data, Sampling methods, Data collection, Cost of the design, time implications and loss to followup, Controls, Ethical issues, Issues of bias and confounding.

UNIT-4: STATISTICS

Normal distribution– Skewness and kurtosis; Frequency distribution; Measures of central tendency– mean, median, mode; Measures of dispersion– range, variance and standard deviation; Graphical presentation of data– Bar graphs, Pie chart, line diagram, scatter plot; Paired samples t test; Percentage change.

UNIT-5: REPORTING RESEARCH

Parts and Order of Dissertation, Title Page, Abstract, Introduction, Method Section, Results Section, Discussion Section, Reference Section.

TEXT BOOKS:

1. R. L. Bijlani. (2008). Medical Research: All You Wanted to Know But Did Not Know Who to Ask. Jaypee Brothers Medical Publishers Pvt. Ltd. New Delhi.
2. Research Methodology in Yoga and Naturopathy, CCRYN, New Delhi

3. Research Publications: Patanjali Research Foundation, Haridwar

REFERENCE BOOKS:

1. C R Kothari. (2009). Research Methodology: Methods and Techniques. New Age International (P) Ltd. New Delhi.
2. Zar, J. H., & Zar. (1999). Biostatistical Analysis. Pearson Education. New Delhi

Course Name: INTRODUCTION TO NATUROPATHY
Course Code: BS-AECCT604
Final Exam (SEE)-35 Marks
Internal Assessment (CT+TA)-15Marks

Objectives

Following the completion of the course, students shall be able to

- Understand fundamentals of Naturopathy
- Know fundamentals of healthy living
- Know lifestyle regimens according to naturecure.

Learning outcomes:

Following the completion of this course, students shall be able to

- Explain the basic concept of Naturopathy.
- Apply the different procedures nature cure.
- Apply the principles of hydrotherapy and enema.
- Apply the procedure of mud therapy and.
- Have idea of the fasting, diet and juice therapy.
- Know the sun-ray and massage therapy.
- Have idea of Accupressure, Magnetotherapy, Aromatherapy and Chromotherapy

Unit-1: INTRODUCTION TO NATUROPATHY [10 Hrs.]

General introduction to Naturopathy; Naturopathy – its definition, meaning, scope and limitations; History of Naturopathy – Indian and Western; Comparative study of the Naturopathy with other systems of Medicine; Catechism of Nature cure

Unit-2: PRINCIPLES AND CONCEPTS OF NATUROPATHY [10 Hrs.]

Composition of the human body according to Naturopathy, Laws of Nature: Pancha- Mahabhootas, Shareera Dharmas – Ahara, Nidra, Bhaya, Maithuna; Fundamental principles of Naturopathy; Natural rejuvenation and vitality, how to acquire natural immunity; importance of Physical & Mental Hygiene and prevention of diseases;

Unit-3: NATUROPATHY [10 Hrs.]

Hydrotherapy : Introduction, definition, scope, history, principles; role of hydrotherapy in prevention of diseases; Upavasa (Fasting): Introduction, definition, scope, history, principles and types; its role in disease prevention, health promotion; concept of de-toxification; Diet: Introduction, definition, scope, types and its principles; role of Naturopathy diet in disease prevention and , health promotion; Massage: Introduction, definition, scope, history, its principles and manipulative techniques; Different types of Massages and their role in in disease prevention, and health promotion.

TEXT BOOKS

1. S. D. Dwivedi : Naturopathy for perfect health, Kalpaz Publication Delhi, 2002
2. Pravesh Handa : Naturopathy and Yoga, Kalpaz Publication Delhi, 2006
3. S.J.Singh. : My Nature Cure or Practical Naturopathy

REFERENCE BOOKS

1. R.K.Garde : Ayurvedic for Health and Long life Harry Benjamin. : Everybody's Guide to Nature Cure.
2. M.K.Gandhi. : My Nature Cure
3. Dr Jitendra Arya; Nature Cure, Pune.
4. M.K.Gandhi : The story of my experiment with truth

Course Name: INTRODUCTION TO AYURVEDA

Course code: BS-DSE605

Final Exam (SEE)-35 Marks

Internal Assessment (CT+TA)-15 Marks

Objectives:

- Students will acquire idea regarding the traditional System of Medicine
- Students will acquire idea regarding concepts of health & disease.
- Students will acquire idea regarding other supportive Indian systems of medicine

Learning outcomes:

- Understand idea regarding the traditional System of Medicine
- Develop basic idea regarding concepts of health & disease.
- Develop basic idea regarding other supportive Indian systems of medicine

Unit-1: GENERAL INTRODUCTION TO AYURVEDA [15 Hrs.]

General introduction to Ayurveda; Definition, aim of Ayurveda, its origin, history and propagation; Basic introduction to main Ayurvedic texts like Charaka Samhita, Sushruta Samhita and Concept of Health according to Ayurveda and its utility in health promotion and prevention.

Unit-2: SWASTHAVRITTA, DINACHARYA, RITUCHARYA, RATRICHARYA, SADVRITTA & AACHAAR RASAAYANA [10 HRS.]

Basic principles of Ayurveda- Tridosha, Saptadhatu, Trimala, Pancha Mahabhuta, Prakruti & Manas; Concept and importance of Swasthavrita, Dinacharya, Ritucharya; Concept of Sadvrita and Aachar Rasaayana; Concept of Agni, Srotas and Ama, Concept of Dharniya and Adharniya Vega in Ayurveda; Introduction to Dravya, Guna, Karma, Virya, Vipaka and Prabhava.

Unit-3: AHARA AND PANCHKARMA [15 Hrs.]

Concept of Upasthambha; Concept of Ahara, Ahara pachana, Pathya & Apathya in Ayurveda; Concept of Oja in Ayurveda; Role of Ayurvedic diet in health and prevention. Introduction to Panchkarma as Shodhan Chikitsa with its three domain.

TEXT BOOKS

1. Acharya Balkrishna: Ayurveda Sidhhant Rahasya, Patanjali Yogpeetha Trust.
2. Acharya Balkrishna: Siddhasaar Samgrah, Divya Prakashan, Haridwar
3. Dr. Ravi dutta Tripathi Dr. Brahmanand Tripathi : Ashtanga Samgraha, Chaukambha Sanskrit Pratishthan, Delhi, Reprint edition of 2003

REFERENCE BOOK

1. Acharya Balkrishna: Ayurveda Mahodadhi: Divya Prakashan, Haridwar, 2015
2. Dr. Priyavrata Sharma : Charak samhita, Chaukhambha Oriental, Varanasi, Edition of 2008.

Course Name: Yoga Practicum 11- DISEASE SPECIFIC YOGA THERAPY MODULES-II
Course code: BS-CP606

Final Exam (SEE)-70 Marks

Internal Assessment (CT+TA)-30Marks

Objective

Following shall be able to

- Understand about various therapeutic Yoga modules.
- Understand the way of application of Yoga therapy modules.
- Know disease wise application of yoga therapy modules.
- Differentiate between Yoga training and therapeutical application of Yoga

Learning outcomes:

After the completion of the program, the students should be able to

- Understand the physiological changes and abnormalities in different age groups.
- Provide Yoga therapy modules for different age groups according to their need.
- Upskilled to become a Yoga therapist

UNIT -1: NEURO MUSCULAR DISORDERS [25 HRS.]

Back Pain, Rheumatoid Arthritis, Inter vertebral disc Prolapse (IVDP), spondylosis, spondylolisthesis Radiculopathy.

UNIT-2: OBSTETRICS & GYNECOLOGICAL DISORDERS [25 HRS.]

Pregnancy induced hypertension; Pre-eclampsia; Intra-Uterine Growth Retardation (IUGR); menstrual disorders Infertility; Menopause.

UNIT -3: NEUROLOGICAL DISORDER [25 HRS.]

Headache/ Migraine, Idiopathic Parkinsonism Disease, Schizophrenia, Obsessive Compulsive Disorders (OCD) Epilepsy.

UNIT- 4: CANCER MANAGEMENT [25 HRS.]

Cancer; side effects of chemotherapy and radiotherapy.

UNIT -5 ALL THE YOGA THERAPY MODULES OF YOGA PRACTICUM 9. [20HRS]

TEXT BOOKS

1. Yogrishi Swami Ram Dev: Yog Sadhana evam Yog Chikitsa Rahasya: Divya Prakashan, Haridwar
2. Acharya Balkrishna: Yog Vijnanam, Divya Prakashan, Haridwar, 2017.
3. Basavaraddi I V: Yoga Therapy Series, MDNIY, New Delhi
4. Reddy M Venkata & others: Yogic Therapy, Sri M.S.R. Memorial Yoga series, Arthamuru A.P., 2005
5. Ramesh Bijlan : Back to Health Through Yoga, Rupa Publications India Pvt. Ltd, 2011

BOOKS FOR REFERENCE

1. Yogrishi Swami Ramdev: Yoga in synergy with Medical Science, Divya Prakashan, 2007
2. Swami Satyananda Saraswati : Yoga and Cardio Vascular Management, Yoga Publication Trust, Munger, 2005.
3. Clennell, B and Iyengar, G.S. : The Woman's Yoga Book: Asana and Pranayama for All Phases of the Menstrual Cycle, Menstrual Disorders (The Experience of Illness) (Paperback - Dec 3, 1992).
4. Nagarathna R and Nagendra H R: Yoga for Arthritis, Back pain, Diabetes, Pregnancy, Breathing Practices, Swami Vivekananda Yoga Prakasana, Bangalore, 2000.
5. Robin Monoro, Nagarathna R and Nagendra, H.R.: Yoga for Common Ailments, Guia Publication, U.K., 1990
6. Yogic management of Common Diseases: Dr Swami Karmananda; Yoga Publication Trust, Munger, Bihar.
7. Dr. Manmath M Gharote, Dr. Vijay Kant : Therapeutic reference in Traditional Yoga texts.

Course Name: YOGA PRACTICUM -12

Course code: BS-CP607

Final Exam (SEE)-35 Marks

Internal Assessment (CT+TA)-15 Marks

Objective

Following the completion of this course, students shall be able to

- Understand about various therapeutic Yoga modules.
- Understand the way of application of Yoga therapy modules.
- Know disease wise application of yoga therapy modules.
- Differentiate between Yoga training and therapeutical application of Yoga

Learning outcomes:

After the completion of the program, the students should be able to

- Understand the physiological changes and abnormalities in different age groups.
- Provide Yoga therapy modules for different age groups according to their need.
- Upskilled to become a Yoga therapist

Objectives:

Following the completion of the course, students shall be able to:

Know all the techniques of Yoga Practical

Know how to conduct Yoga Training Classes

Know how to conduct Yoga Therapy Classes

Know how to conduct Yoga Classes for special groups

UNIT – 1 ALL THE YOGA PRACTICALS OF THE PREVIOUS SEMESTERS FROM YOGA PRACTICUM 1 – 10 OF THE SYLLABUS [60 HRS]

Course Name: PRACTICAL RESEARCH & STATISTICS
code: BS-CP608

Final Exam (SEE)-35 Marks
Internal Assessment (CT+TA)-15 Marks

Objectives:

Following the completion of the course, students shall be able to

- Understand the concept of research and its methodology for carrying minor and major research.
- Understand the tricks of analyzing the data efficiently.
- Have an idea about various statistical tests and their application.
- Write a research project

Learning Outcomes:

- To Have a perception the Gather, form and critique idea from research studies
- To Have a perception the Identify and refine an appropriate research question
- Apply an appropriate research design and associated methods rigorously
- Conduct the research project in an ethical fashion
- Draw appropriate conclusions and indicate the significance of the findings for educational practice and research
- Report the research in a scholarly fashion appropriate to the disciplinary area

STATISTICS PRACTICALS:

1. Introduction to MS-Word, Basic Operations (like open, saving, cut, copy, paste, printing a document etc.) and their advantages in Research, Introduction to APA style (font size, alignment, headings, etc.).
2. Preparation of Bio-data (using various formatting options in MS-Word).
3. Learning and performing various operations in MS-Word.
 - a. Creating a table, entering text & contents in a table.
 - b. Toolbars in word, using various toolbars options.
 - c. Watermarks and Water-marking in a document.
 - d. Inserting clip arts/picture, Hyper-linking a text.
 - e. Header/Footers.
4. Introduction about MS-Excel, Parametric and Non Parametric Statistics (like how to enter data, calculation of mean, median, mode, standard-deviation, t-test, ANNOVA, Correlation), copying data from MS-Word to MS-Excel.
5. Learning and performing various options/operations in MS-Excel.
 - a. Creating and saving a new Workbook.
 - b. Deleting and Renaming a Worksheet.
6. Introducing about MS Power-point explaining its various features and steps for performing various general operations in the field of research.
7. Analysis of data through SPSS.
8. Writing Research Report.

RESEARCH PRACTICAL

A pilot research shall be carried out by each student under the supervision of a Lecturer /Assistant Professor. As part of the research project, students will record the effect of any intervention of his/her choice for a common variable in a particular group of sample.

This pilot research should be submitted to the supervisor and the course coordinator.

ABILITY ENHANCEMENT COMPULSORY CORE THEORY- (AECCT)

A. Course Name: BASICS OF SANSKRITAM

Final Exam (SEE)-35 Marks

Internal Assesment (CT+TA)-15Marks

Objectives:

Following the completion of this course, students shall be able to

- Read and understand the colloquial words of Sanskrit.
- Communicate and comprehend Sanskrit to the best of their ability.
- Write in Sanskrit and have some idea about grammar.

Unit-1: laLd`rHkk"kk ifjp; (7)

laLd`rHkk"kk ifjp;] ;ksx'kkL= ds vè;iu easa laLd`r dk egÙo vkSj ;ksx ,oa laLd`r dk vUr%lEcU/k ekgs'ojlw=A laLd`ro.kZekyk] Loj] O;atu o.kZKku lfgr jkseu fyfi esa ys[ku ,oa iBu] o.kkZsa ds mPpkj.kLFkku vkSj izz;Ru KkuA izR;kgkj fuekZ.k fof/k ,oa izR;kgkj KkuA dkjd] foHkfDr] lqi~ vkSj fr³~ izR;;] fy³] opu] iq#"k] ydkj ,oa okD;k;x ifjp;A laLd`r la[;k,a ¼,d ls lkS rd½

Unit-2: 'kCn:Ik (8)

vtUr 'kCn:i&jke] ckfydk] iqLrd] eqfu] #fp] okfj 'kCnksa ds :Ik vFkZKku lfgrA vtUr 'kCn:i&unh] Hkkuq] /ksuq] e/kq] fir`] ekr` 'kCnksa ds :Ik vFkZKku lfgrA loZuke 'kCn:i&vLen~] ;q"en~] rr~ ¼rhuksa fyxksa esa½] ,rn~ ¼rhuksa fyxksa esa½] fde~ ¼rhuksa fyxksa esa½] Hkor~ ¼rhuksa fyxksa esa½] 'kCnksa ds :Ik vFkZKku lfgrA gyUr 'kCn:i&Hkxor~] ukeu~] txr~ 'kCnksa ds :Ik vFkZKku lfgrA

Unit-3: /kkrq:Ik (8)

Hkw] vl~] iB~] d`] fy[k~] ue~] n`'k~ /kkrqvksa ds ikap ydkjksa yV~] y`V~] y³ yksV~] fof/kfya³~] esa :iKku ,oa okD; fuekZ.k vFkZKku lfgrA on~] xe~] LFkk] ik] nk] 'kd~] vki~] izPN~ /kkrqvksa ds ikap ydkjksa yV~] y`V~] y³~] yksV~] fy³~] esa :iKku ,oa okD; fuekZ.k vFkZKku lfgrA Kk] dFk~] fpUr~] czw] Jq] uh] ;kp~] [kkn~] 'kh³~] /kkrqvksa ds ikap ydkjksa yV~] y`V~] y³~] yksV~] fy³~] esa :iKku ,oa okD; fuekZ.k vFkZKku lfgrA

Unit-4: okD;fuekZ.k (7)

izFkenh{kk ds izFke] f}rh; ,oa r`rh; vè;k; ls okD;fuekZ.k ,oa vFkZKku dk vH;kla

TEXT BOOKS

1. f}osnh dfiy nso% izkjfEHkd jpukuqokn dkSeqnh] fo'ofok|ky; izdk'ku] okjk.klh 2011
2. f}osnh dfiy nso% jpukuqokndkSeqnh] fo'ofok|ky; izdk'ku okjk.klh 2011
3. f}osnh dfiy nso% izkS<jpukuqokn dkSeqnh] fo'ofok|ky; izdk'ku] okjk.klh 2007
4. izFkenh{kk] jkf"V^a; laLd`r laLFkku] ubZ fnYyh

BOOKS FOR REFERENCE

1. egf"kZ n;kuUn ljLorh% o.kksZPpkj f'k{kk] jkeyky diwj V^aLV] lksuhir gfj;k.kkA
2. Perry E D : A Sanskrit Primer, MLBD, New Delhi, 2004
3. Kala MR : A Higher Sanskrit Grammar for college students, MLBD, New Delhi, 2011

B. Course Name: BASICS OF SANSKRITAM-II

Final Exam (SEE)-35 Marks

Internal Assessment (CT+TA)-15 Marks

Objectives:

Following the completion of this course, students shall be able to

- Read and understand the colloquial words of Sanskrit.
- Communicate and comprehend Sanskrit to the best of their ability.
- Write Sanskrit with better grammatical skill.

Unit-1: laLd`rHkk"kk ifjp; [8HRS]

iB~ ,oa d` /kkrq dk deZokP;:Ik Kku ik;ip ydkjksa yV~] y`V~] y³~] yksV~] fy³~ esa ,oa okD; fuekZ.k vFkZKku lfgrA vl~ ,oa Hkw /krq dk HkkookP;:i Kku ikap ydkjksa yV~] y`V~] y³~] yksV~] fof/kfy³~ esa ,oa okD; fuekZ.k vFkZKku lfgrA dr`ZokP; ,oa deZokP; dk ifjp;] okD;:jpuk] okD;:ikUrj.k ,oa vuqoknA dr`ZokP; dk ifjp; okD;:jpuk] okD;:ikUrj.k ,oa vuqoknA

Unit-2: d`nUr izR;; [7HRS]

'kr` ,oa 'kkup~ izR;;ksa ls 'kCnfuekZ.k] okD;:jpuk vkSj vuqoknA DRok] Y;i~] rgequ~ izR;;ksa ls 'kCnfuekZ.k] okD;:jpuk vkSj vuqoknA Dr ,oa Drorq izR;;ksa ls 'kCnfuekZ.k] okD;:jpuk vkSj vuqoknA rO;r~] vuh;j~ ,oa ;r~ izR;;ksa ls 'kCnfuekZ.k] okD;:jpuk vkSj vuqoknA

Unit-3: lfU/k ,oa Hkk"kkH;k1 [8HRS]

vp~] gy~ ,oa folxZ lfU/k;ksa dk Kku ,oa lfU/k foPNsn dk vH;k1A Hkxon~xhrc ds n~forh; vè;k; ds izFke 20 'yksdksa esa dkjd ,oa fØ;kinksa dk vuqlU/kku ,oa lLoj 'yksdikBA laLd`r ls fgUnh@vaxzsth esa vuqoknA laLd`r esa ijLij okrkZyki ,oa ekSf[kd O;k[;ku dk vH;k1A

Unit-4: Hkk"kkn{krk [7HRS]

izFkenh{kk ds prqFkZ] iape ,oa "k"B vè;k; ls okD;fuekZ.k ,oa vFkZKku dk vH;k1A

TEXT BOOKS

1. f}osnh dfiy nso% izkjfEHkd jpukuqokn dkSeqnh] fo'ofok|ky; izdk'ku] okjk.klh 2011
2. f}osnh dfiy nso% jpukuqokndkSeqnh] fo'ofok|ky; izdk'ku] okjk.klh 2011
3. f}osnh dfiy nso% izkS<jpukuqokn dkSeqnh] fo'ofok|ky; izdk'ku] okjk.klh 2007

BOOKS FOR REFERENCES

1. izFkenh{kk & jkf"V^a; laLd`r laLFkku] ubZ fnYyhA
2. f}rh; nh{kk & jkf"V^a; laLd`r laLFkku] ubZ fnYyhA
3. egf"kZ n;kuUn ljLorh% o.kksZPpkj f'k{kk] jkeyky diwj V^aLV] lksuhir
gfj;k.kkA

C. COURSE NAME: COMMUNICATIVE ENGLISH-I

Final Exam (SEE)-35 Marks

Internal Assessment (CT+TA)-15Marks

Objective

Following the completion of this course, students shall be able to

- Communicate in English
- Develop reading and writing skills in English
- To communicate in English while Yoga teaching and training.

UNIT 1- COMMUNICATION [10 HRS]

Writing Letters- Letter for Inquiry, Idioms and Phrases, placing order, Replacement letter, cancellation letter, complaint letter etc.

UNIT 2- DRAFTING ADVERTISEMENT (05 HRS)

Classified Advertisement, Commercial Advertisement

UNIT 3- LITERATURE [10 HRS]

Indian Traditional Idea on Environmental Conservation

An article ligihty ofg Asia – Gautam Buddha

Kafan-Prem Chand

UNIT 4- CONDUCTING YOGA PRACTICLE CLASS IN ENGLISH

Development of skills to enhance ability of conducting Yoga class in English, Demonstration of Yoga practices in english,

REFERENCES

1. Ethan F. Becher: Mastering communication at work: How to lead, manage anmd influence, 2009.
2. Mathew Mckey, Martha Devis, Patrick: Messages: The communication skill book, 2009
3. P.S Perkins, Les Brown: The Art and Science of communication, 2008
4. Robin Quinn, Joe Kohl: Talk like a winner; 21 simple rules foe achieving everyday communication success, 2008

D. Course Name: COMMUNICATIVE ENGLISH-II

Final Exam (SEE)-35 Marks

Internal Assessment (CT+TA)-15Marks

Objective

Following the completion of this course, students shall be able to

- Communicate in English
- Develop reading and writing skills in English
- To communicate in English while teachings of Yoga

UNIT 1- COMMUNICATION [10 HRS]

Paragraph writing, Reading comprehensions, listening comprehensions, Note making, Summary, Referencing to encyclopedia and dictionary, debate writing, speech writing, article writing, Phonetics transcription, Precise writing

UNIT 2- INTERVIEW (05 HRS)

Group discussion, personal interview, Telephonic interview, Resume writing etc.

UNIT 3- LITERATURE [15 HRS]

- Ramayana
- Srimadbhagwad Geeta
- Panchtantra with respect to Yama Niyama

REFERENCES

1. Ethan F. Becher: Mastering communication at work: How to lead, manage and influence, 2009.
2. Mathew Mckey, Martha Devis, Patrick: Messages: The communication skill book, 2009
3. P.S Perkins, Les Brown: The Art and Science of communication, 2008
4. Robin Quinn, Joe Kohl: Talk like a winner; 21 simple rules for achieving everyday communication success, 2008.
5. Srimadbhagwadgeeta by Paramhansa Yogananda.

E. Course Name: ENVIRONMENTAL STUDIES

Final Exam (SEE)-35 Marks

Internal Assessment (CT+TA)-15 Marks

Objectives:

Following the completion of these course students shall be able to

- Know about environment and ecosystem.
- Know renewable and non-renewable resources.
- Know about Biodiversities, Conservation and Pollution.

UNIT- 1: INTRODUCTION TO ENVIRONMENTAL STUDIES AND ECOSYSTEM [8 HRS.]

Introduction to environmental studies and ecosystem; multidisciplinary nature of environmental studies: scope and importance. Ecosystem and its functions, aquatic ecosystem, environmental components of ecosystem, conservation of natural resources, food chains, food web.

UNIT-2: NATURAL RESOURCES: RENEWABLE & NON-RENEWABLE [7 HRS.]

Resources: Renewable & Non-Renewable Biodiversity, Values of Biodiversity, Natural Resources (Renewable & Non-Renewable Resources), Pollution -Air pollution, Soil pollution, Smog their causes and impacts.

UNIT-3: BIODIVERSITY & CONSERVATION [8 HRS.]

Biodiversity levels of biological biodiversity, Environment segments, Biosphere, Lithosphere, Hydrosphere, Atmosphere, Pollutants, Degradable and Non-degradable pollutants, conservation-mineral Resources, oxygen depletion.

UNIT 4: ENVIRONMENTAL POLLUTION [7 HRS.]

Environmental pollution, types, causes, effects and controls, Prevention & Control of Pollution, Environment Protection Act, Wild life Protection Act.

TEXT BOOKS:

1. Erach Bharucha: Text Book for Environment Studies, UGC & Bhartiya Vidyapeetha Institute of Environmental education and research, Pune.

REFERENCE BOOKS:

1. Agarwal, K.C. 2001 Environmental Biology, Nidi Publ. Ltd. Bikaner. b)
2. Bharucha Erach, The Biodiversity of India, Mapin Publishing Pvt. Ltd., Ahmedabad – 380 013, India,

F. Course Name: INTRODUCTION TO NATUROPATHY
Final Exam (SEE)-35 Marks
Internal Assessment (CT+TA)-15Marks

Objectives

Following the completion of the course, students shall be able to

- Understand fundamentals of Naturopathy
- Know fundamentals of healthy living
- Know lifestyle regimens according to nature cure.

Learning outcomes:

Following the completion of this course, students shall be able to

- Explain the basic concept of Naturopathy.
- Apply the different procedures nature cure.
- Apply the principles of hydrotherapy and enema.
- Apply the procedure of mud therapy and.
- Have idea of the fasting, diet and juice therapy.
- Know the sun-ray and massage therapy.
- Have idea of Accupressure, Magnetotherapy, Aromatherapy and Chromotherapy

Unit-1: INTRODUCTION TO NATUROPATHY [10 Hrs.]

General introduction to Naturopathy; Naturopathy – its definition, meaning, scope and limitations; History of Naturopathy – Indian and Western; Comparative study of the Naturopathy with other systems of Medicine; Catechism of Nature cure

Unit-2: PRINCIPLES AND CONCEPTS OF NATUROPATHY [10 Hrs.]

Composition of the human body according to Naturopathy, Laws of Nature: Pancha- Mahabhootas, Shareera Dharmas – Ahara, Nidra, Bhaya, Maithuna; Fundamental principles of Naturopathy; Natural rejuvenation and vitality, how to acquire natural immunity; importance of Physical & Mental Hygiene and prevention of diseases;

Unit-3: NATUROPATHY [10 Hrs.]

Hydrotherapy : Introduction, definition, scope, history, principles; role of hydrotherapy in prevention of diseases; Upavasa (Fasting): Introduction, definition, scope, history, principles and types; its role in disease prevention, health promotion; concept of de-toxification; Diet: Introduction, definition, scope, types and its principles; role of Naturopathy diet in disease prevention and , health promotion; Massage: Introduction, definition, scope, history, its principles and manipulative techniques; Different types of Massages and their role in in disease prevention, and health promotion.

TEXT BOOKS

1. S. D. Dwivedi : Naturopathy for perfect health, Kalpaz Publication Delhi, 2002
2. Pravesh Handa : Naturopathy and Yoga, Kalpaz Publication Delhi, 2006
3. S.J.Singh. : My Nature Cure or Practical Naturopathy

REFERENCE BOOKS

1. R.K.Garde : Ayurvedic for Health and Long life Harry Benjamin. : Everybody's Guide to Nature Cure.
2. M.K.Gandhi. : My Nature Cure
3. Dr Jitendra Arya; Nature Cure, Pune.
4. M.K.Gandhi : The story of my experiment with truth

GENERAL ELECTIVE COURSES- GE

A. INTRODUCTION TO AYUSH

Final Exam (SEE)-35 Marks

Internal Assessment (CT+TA)-15Marks

Objectives:

Following the completion of the course, students shall be able:

- To know fundamentals and principles of Yoga Therapy
- To understand the concept and principles of integrated approach of Yoga Therapy
- To know basics of Naturopathy, Ayurveda, Unani, Siddha and Homeopathy

Learning outcomes:

- Understand idea regarding the traditional System of Medicine
- Develop basic idea regarding concepts of health & disease.
- Develop basic idea regarding other supportive Indian systems of medicine

Unit-1: YOGA & HEALTH AND INTEGRATED APPROACH OF YOGA THERAPY [8 Hrs.]

Concept of body, Health and disease; Concept of Yoga Adhi and Vyadhi; Principle of Yoga Therapy in relation to Yoga Vasistha; Practices at Pancha Kosa level Annamaya, Pranamaya, Manomaya, Vijnanamaya and Anandamaya kosa; Principle of Yoga Therapy in relation to Hatha Ratnavali and Gheranda Samhita.

Unit-2 : INTRODUCTION TO BASIC CONCEPTS OF NATUROPATHY [4 Hrs.]

History of Naturopathy; Principles of Naturopathy; Concept of five elements and its applications: Akash Tatwa Chikitsa, Vayu Tatwa Chikitsa, Agni Tatwa cChikitsa, Jala Tatwa Chikitsa, Prithvi Tatwa Chikitsa).

Unit- 3: INTRODUCTION TO BASIC CONCEPTS OF AYURVEDA [15 Hrs.]

The four aspects of life (Soul, Mind, Senses and Body); Panchamahabhutas (the five element theory), Ahara, Vihara and Ausadhi (three pillars of Ayurveda); Concept, role and importance of – Dosha, Dhatu, Mala; Updhatu, Srotas, Indriya, Agni, Prāna, Prakrti (Deha Prakrti, Manasa Prakrti); Role of Dosa, Dhatu and Mala in health and diseases; Concept of Dinacaryā (daily routine), concept of Ritucarya (Seasonal routine), Svasthavātta in Āyurveda; Concept of Trayo Upasthambas.

UNIT- 4: INTRODUCTION TO BASIC CONCEPTS OF UNANI, SIDDHA AND HOMEOPATHY [3 HRS.]

History of Unani & Siddha; Concept of Unāné & Siddha; Principles of Unani & Siddha; Introduction to Basic concepts of Homeopathy; History of Homeopathy; Concept of homeopathy; Principles of Homeopathy.

TEXT BOOKS:

1. Acharya Balkrishna: Yog Sidhant Rahasya, Divya Prakashan, Haridwar 2013
2. Dr R Nagaratha: Yoga and Health, SVYASA, Bangalore.

REFERENCE BOOK:

1. Taitriya Upnisha
2. Dr. Rakesh Jindal: Prakritic Ayurvijnana, Pune.
3. Dash, V.B.: Ayurvedic Treatment for Common Diseases Delhi Diary, 1974.
4. Richards Hughes: The Principal and Practice of Homeopathy, B Jain publication, 2008.
5. Introduction to AYUSH; www.slideshare.net/digvijay03/introduction-of-ayush-71028486

B. Course Name: HEALTH AND YOGIC HYGIENE

Final Exam (SEE)-35 Marks

Internal Assessment (CT+TA)-15 Marks

Objectives:

Following the completion of this course, students shall be able to

- Read and understand the colloquial words of Sanskrit.
- Communicate and comprehend Sanskrit to the best of their ability.
- Write Sanskrit with better grammatical skill. [8]

Unit-1: INTRODUCTION TO HEALTH AND HYGIENE [10 Hrs.]

Personal hygiene, Definition of health and factors; affecting it- food habits, cleanliness, exercise and sleep; Water – Importance of water, impurities present in water, sources of contamination of water and water purification (Household and natural methods); First aid: meaning, importance in daily life.

Unit-2: INFECTION AND DISINFECTANTS [10 Hrs.]

Infection – Definitions of Infection, Infective agents, Period of infectivity; Types of diseases and their modes of spread; Channels of infection; disinfectants – Definition, types and methods of disinfection.

Unit-3: INFECTIOUS DISEASES [10 Hrs.]

Infectious diseases - Causes, incubation period, mode of spread, symptoms, prevention & control of the following diseases); Diseases spread by insects -Malaria, Dengue; Diseases spread by ingestion - Dysentery, cholera, typhoid; Diseases spread by droplet infection - Chicken pox, measles, mumps; Disease spread by Contact - Leprosy, AIDS;

TEXT BOOKS

1. Prof. Ramharsh Singh: Swasthviritta, Chaukhanmha Prakashan, Varanasi
2. Birendra Nath Ghosh, (1969) Hygiene & Public Health Calcutta Scientific Publishing Co.

REFERENCES

1. Yash pal Bedi (1976) Hygiene & Public Health. Anand Publishing Co., gali No. 1, Nawan Kot Amritsar.
2. V. N. Hhave, (1975) You & Your Health.. National Book Trust
3. Bihari Lal Bhatia, (1961) Elementary.. Hygiene, Orient Longmans, Ltd. Calcutta -13
4. J.E. Park, (1983) Preventive & Social Medicine, Jabalpur.

C. COURSE: YOGA PSYCHOLOGY

Final Exam (SEE)-35 Marks

Internal Assessment (CT+TA)-15Marks

Objectives:

Following the completion of this course, students shall be able to

- Understand about Human Psyche and Psychic forces.
- Understand about mental process
- Know and correlate Yogic principles and Psychology

Learning outcomes:

Following the completion of this course, student will be able to

- Describe Human psyche as a part of Yoga Psychology.
- Explain the relationship between applied and basic research in cognitive psychology
- Define terms: attention, divided attention and selective attention
- Critically evaluate direct and indirect theories of Behavior and Consciousness
- Describe and provide examples of memory processes (encoding, storage, and retrieval)
- To Have a perception the Counselling and Yoga Therapy.

Unit-1: HUMAN PSYCHE AND PSYCHIC FORCES BASED ON YOGA PSYCHOLOGY [10 Hrs.]

Psychology its nature, definition, branches and utility. Psychic forces and human behavior. State of Consciousness according to Yogic scripture (Jagrata, Swapna, Sushupti and Turiya). Types of Personality in Yogic Text (Mudha, Kshipta, Vikshipta, Ekagra, Niruddha). State of Psyche: Satva Raja Tama. Cause of emotions in the mind according to Yoga texts. Learning and Remembering in the context of Jnana Yoga (Shravana, Manana and Nididhyasana);

Unit-2: COGNITIVE MENTAL PROCESS [7 Hrs.]

Sensation, Perception, Attention, Memory, Learning, Feeling- their definition, types and affecting factors. Enhancement of attention and memory through Psycho-yogic techniques. Intelligence and its' measurements; Emotional Intelligence and Social Intelligence.

Unit-3 : PSYCHOLOGICAL DISORDERS [8 Hrs.]

Behavior and Consciousness, Psychological basis of behavior; Causes and Consequences of Conflicts and Frustrations; Depressive disorders; Anxiety disorders; Mental retardation; Attention Deficit Hyperactivity Disorder (ADHD).

Unit-4: COUNSELLING [5 Hrs.]

Meaning and definition of Counselling, Goals, and skills of Counselling, code of ethics for basic counsellors, Relevance of Counselling on Yoga Therapy.

TEXT BOOKS:

1. Abhedananda : The Yoga Psychology, Ramakrishna Vedanta Math, Calcutta, 1973.
2. Sachdev, I.P. : Yoga and Depth Psychology (Motilal Banarsidass, Delhi, 1978).
3. Dr. R S Bhogal : Yoga and Mental Health, Kaivalyadhama Publication, Lonavla, Pune.
4. डा. आर. एस. भोगल : योग एव मानसिक स्वास्थ्य, कैवल्यधाम प्रकाशन, लोनावला, पुणे ।

REFERENCE BOOKS

1. Taimini, I. K : Glimpses into the Psychology of Yoga (Adyar: Theosophical Publishing House, 1973).
2. Aatreya, Shanti Parkash : Yoga Manovijnana (Indian Psychology) (International Standard Publication, Varanasi; 1965.

3. पातंजल योग सूत्र: स्वामी रामदेव महाराज, दिव्य प्रकाशन, हरिद्वार ।

D. Course: YOGIC DIET AND NUTRITION

Final Exam (SEE)-35 Marks

Internal Assessment (CT+TA)-15Marks

Objectives:

Following the completion of this course, students shall be able to

- Understand about Yogic Diet and Nutrition
- Know about ingredients mentioned in hath yogic texts
- Know about biomolecules
- Know about nutrition and nutritional values

Unit – 1: Yogic Concept of Diet & Nutrition [8 Hrs.]

General Introduction of Ahara (Diet), concept of Mitahara; Definition and Classification in Yogic diet according to traditional Yoga texts; Concepts of Diet according to Gheranda Samhita, Hatha Pradeepika and Bhagavadgeeta; Pathya and Apathya in diet according to Yogic texts; Guna and Ahara; Importance of Yogic Diet in Yog Sadhana; Yogic Diet and its role in healthy living.

Unit –2: Dietetics in Yoga [10 Hrs.]

Vegetarian vs Non-vegetarian Diet, Classification of diet according to trigunas and panchabhuta; Relationships between rasa, guna, virya, Vipaka, prabhav. Botanical details with rasa, guna virya, vipaka, prabhav of Kushmand, palandu, rason, narikel, haridra, tuvarak, vasa, lavang, yashtimadhu, pippali, dudhika, shunthi, dadim, chitrak, marich, jirak, ghritkumari, bilva, babul, tulsi, apamarg, sharpunkha, shatavari, ashwagandha, ashok, patha, punarnava, kulath, ela, haritki, amlaki, guduchi, amlaki, shali, Yava, Mugda, Ghrta, Kshira, Navanita, Sita, Gud, Madhu, Shunthi, Surana, on various systems of body.

Unit-3: Biomolecules [5 Hrs.]

Introduction to structure and function of biomolecules. Significance of Carbohydrate, Proteins, Lipids, Vitamins, Minerals and water in the body.

Unit-4: NUTRITION-BASICS [7 Hrs.]

Nutrients, proximate principles of diet, balanced diet concept; Carbohydrates, proteins, fats –sources, nutritive values, importance, requirements and deficiencies; Micro and Macro minerals their classification, sources, role, nutritive value, requirements and deficiencies, . Vitamins –sources, roles, requirements.

TEXT BOOKS:

1. Acharya Balkrishna: Ayurveda Sidhant Rahasya: Divya Prakashan, Haridwar, 2013
2. Acharya Balkrishna: Jadibuti Rahasya: Divya Prakashan, Haridwar, 2013
3. Ramesh Bijlani : Eating Wisely and Well, Rupa Publication India Pvt. Ltd, 2012
4. Stanley Davidson & others : Human Nutrition & Dietetics , The English Language Book Society & Churchill Livings, Revised Edition
5. Swami Mangalteertham : Synthetic approach to Diet & Nutrition, Deogarh Nutan Publication, Deogarh, 2005.

REFERENCE BOOKS

1. Prof. Priyavritt Sharma: Dravyaguna Vijnana, Chaukhambha Bharti Academy, Varanasi.
2. Dr. Shailja Srivastava: Ashtanga samgrah, Chaukhambha Orientalia, Varanasi
3. Dennis Thompson : The Ayurvedic Diet, New age books, New Delhi, 2001
4. Randolph Stone : A Purifying Diet, Lilawati Bhargav Charitable Trust, Delhi, Revised Edition.

E. COURSE: APPLICATIONS OF YOGA

Final Exam (SEE)-35 Marks

Internal Assessment (CT+TA)-15Marks

Objectives:

Following the completion of this course, students shall be able to

- Applications of Yoga for School Children
- Application of Yoga for sports personnel
- Application of Yoga for Corporate Strss
- Application of Yoga for Geriatrics

Learning outcomes:

Following the completion of this course, students shall be able to

- Understand the significance of Applications of Yoga and its relevance.
- Know the concept of Physical Education and Sports & Application of Yogic lifestyle.
- Have a deep To Have a perception of Role of Yoga in prevention of stress
- Understand the significance of Applications of Yoga for Elderly Population

Unit-1: YOGA IN SCHOOL [15 Hrs.]

General Introduction to School Health, components of school health; Parent-Teacher-Student relationship in a School Health; Role of social interaction in a School Health; Role of Yoga in establishment of values in School going children; Personality; Development: New Dimensions of Personality through Yoga.

Unit-2: YOGA FOR SPORTS [15 Hrs.]

General introduction to Physical Education and Sports; Difference between Physical; Education & Sports; Relevance of Integration of Yoga in Physical Education & Sports; Yoga for Physical, Mental Stamina and other faculties / skills in a sports Personnel; Application of Yogic lifestyle in improving efficacy in sports personnels; Relationship between Yoga and sports activities.

Unit-3: YOGA FOR STRESS [15 Hrs.]

Introduction to stress, its causes; Role of Yoga in prevention of stress

Unit-4: YOGA FOR ELDERLY POPULATION [15 Hrs.]

General introduction to Geriatrics; Application of Yoga in promotion of general wellbeing of Geriatric population; General introduction to Geriatrics; Application of Yoga in promotion of general wellbeing of Geriatric population.

TEXT BOOKS

1. Basavaraddi I V : Yoga in School Health, MDNIY New Delhi, 2009
2. Iyenger B K S : Astadala Yogamala 1 to 7 volumes, Allied Publishers Pvt. Ltd, 2009
3. Jayadev H J : Growing with Yoga, The Yoga Institute, Santacruz, Mumbai, 2004
4. Liz Lark : Yoga for Kids, Carlton Books Ltd., London, 2003
5. Swati & Rajiv Chanchani : Yoga for Children: A complete illustrated guide to Yoga, UBS Publishes Distributors Pvt. Ltd, 2008.

REFERENCE BOOKS

1. Iyenger B K S : The Path to Holistic Health, A Dorling Kindersley Book, Great Britain, 2001
2. Dr. Goel Aruna : Yoga Education: Philosophy and Practice, Deep & Deep Publications Pvt. Ltd, 2007.
3. Dr. H Kumar Kaul : Yoga and Healthy Ageing, BR Publishing Corporation, Delhi, 2006

DISCIPLINE SPECIFIC ELECTIVE COURSES-(DSE)

A. HUMAN SYSTEM ACCORDING TO YOGA

Final Exam (SEE)-35 Marks

Internal Assessment (CT+TA)-15 Marks

Objective

Following the completion of this course, students shall be able to

- Know about ytraditional concept of evolution
- Understand the traditional concept of body and its origin and development.
- Understand the subtle nature of body energies.

Learning outcomes:

Following the completion of this course, students shall be able to

- To increase students' idea regarding Evolution of human body in the context of Säinkhya Yoga.
- To cultivate awareness of the interconnection between body, mind, spirit and community in order to affect attitudinal change regarding health and wellness.
- To ensure that students have the ability to apply the idea , skills and awareness of Evolution of body.
- To promote sensitivity to the issues of diversity and multiculturalism within the continuum of individual and global health and wellness.
- Have a deep To Have a perception of Pancha Kosa, Chakras and Mandalas & Vayus, Nadis and Svara Yoga.

Unit-1: EVOLUTION OF BODY [10 Hrs.]

Pancamahābhūtas, Pancatattvas and Pancatanmātrās, Evolution of human body in the context of Säinkhya Yoga, Evolution of Jñānendriyas, Karmendriyas, Mahat, manas, Buddhi, Citta and Ahaākāra, Saptadhātus that make a human body.

Unit-2: PANCHA KOSA THEORY [5 Hrs.]

Critical analysis of the story of Bhāgu and Varuna; The existence of five kohas in the human body; The product of five kohas; Disturbance of each koha.

Unit-3: CHAKRAS AND MANDALAS [5 Hrs.]

Introduction to Tantra, brief of Tantra Yog, Introduction to Cakras; Evolution through the Cakras; Description of Mūlādhāra, Svādhishthāna, Manipura, Anāhata, Vihuddhi, Bindubisarga and Sahasrāra Cakras; Concept of Mandalas, types and their work.

Unit-4: VAYUS, NADIS AND SVARA YOGA [10 Hrs.]

Concept of Vāyus, type, their names and function; Concept of Nānēs, their characteristics and name of 10 major Nānēs and their functions; Difference between Inā, Piigalā and Sushumnā; Effects of SvaraYoga as explained in the Haōha Yogic texts, Relevance of Svara-vijnāna in daytoday life and the importance of Svarodaya in health and disease.

TEXT BOOKS

1. Yogrishi Swami Ramdev Ji: Pranayam Rahasya: Divya Prakashan, Haridwar, 2009
2. Tantra Nadi Kriya Vijnana: CCRYN Publication, New Delhi
3. Nityananda Paramhamsa: Tantra Darshan
4. Dr H R Nagendra & Dr R Nagarathna : Yoga Health (Swami Vivekananda Yoga Prakashana, 2000)
5. Taitriyaupnishad

REFERENCE BOOKS

1. Nagendra HR. : Integrated Approach of Yoga Therapy for positive health,Swami Vivekananda Yoga Prakashana, Bangalore.
2. Swami Niranjanananda : Prana, Pranayama & Pranavidya, Saraswati Yoga Publication Trust, Munger.
3. Swami Harshananda: The Six Systems of Hindu Philosophy, Ramakrishna Math, Bangalore, 2000
4. Shivswarodaya, Kaivalyadhama, Lonavla, Pune.

B. Course Name: INTRODUCTION TO AYURVEDA

Final Exam (SEE)-35 Marks

Internal Assessment (CT+TA)-15 Marks

Objectives

Following the completion of the course, students shall be able to

- Understand fundamentals of Ayurveda
- Know fundamentals of healthy living
- Know lifestyle regimens according to nature.
- Know medicinal cleansing processes.

Learning outcomes:

- Understand idea regarding the traditional System of Medicine
- Develop basic idea regarding concepts of health & disease.
- Develop basic idea regarding other supportive Indian systems of medicine

Unit-1: GENERAL INTRODUCTION TO AYURVEDA [15 Hrs.]

General introduction to Ayurveda; Definition, aim of Ayurveda, its origin, history and propagation; Basic introduction to main Ayurvedic texts like Charaka Samhita, Sushruta Samhita and Concept of Health according to Ayurveda and its utility in health promotion and prevention.

Unit-2: SWASTHAVRITTA, DINACHARYA, RITUCHARYA, RATRICHARYA, SADVRITTA & AACHAAR RASAAYANA [10 HRS.]

Basic principles of Ayurveda- Tridosha, Saptadhatu, Trimala, Pancha Mahabhuta, Prakruti & Manas; Concept and importance of Swasthavrita, Dinacharya, Ritucharya; Concept of Sadvrita and Aachaar Rasaayana; Concept of Agni, Srotas and Ama, Concept of Dharniya and Adharniya Vega in Ayurveda; Introduction to Dravya, Guna, Karma, Virya, Vipaka and Prabhava.

Unit-3: AHARA AND PANCHKARMA [15 Hrs.]

Concept of Upasthambha; Concept of Ahara, Ahara pachana, Pathya & Apathya in Ayurveda; Concept of Oja in Ayurveda; Role of Ayurvedic diet in health and prevention. Introduction to Panchkarma as Shodhan Chikitsa with its three domain.

TEXT BOOKS

1. Acharya Balkrishna: Ayurveda Sidhhant Rahasya, Patanjali Yogpeetha Trust.
2. Acharya Balkrishna: Siddhasaar Samgrah, Divya Prakashan, Haridwar
3. Dr. Ravi dutta Tripathi Dr. Brahmanand Tripathi : Ashtanga Samgraha, Chaukambha Sanskrit Pratishthan, Delhi, Reprint edition of 2003

REFERENCE BOOK

1. Acharya Balkrishna: Ayurveda Mahodadhi: Divya Prakashan, Haridwar, 2015
2. Dr. Priyavrata Sharma : Charak samhita, Chaukhambha Oriental, Varanasi, Edition of 2008.

C. Course Name: INTRODUCTION TO YOGA AND COMMON AILMENTS

**Final Exam (SEE)-35 Marks
Internal Assessment (CT+TA)-15 Marks**

Objectives

Following the completion of the course, students shall be able to

- Understand application of Yoga in Cardio respiratory Disorders
- Understand application of Yoga in Neuro-Muscular Disorders
- Understand application of Yoga in Metabolic Disorders
- Understand application of Yoga in Female related Disorders

Learning outcomes:

Following the completion of this course, students shall be able to

- Know the science of abnormal behaviour and classifications of abnormality.
- To develop skill for diagnosis and management of Cardiorespiratory, Neuro Muscular, Digestive, Endocrine & Metabolic, & Obstetrics & Gynecological Disorders.

Unit-1: CARDIORESPIRATORY DISORDERS [15 Hrs.]

Modern Medical and Yoga therapy principles and practices for diseases related to: Yogic management of Cardio-Vascular Disorders: Ischemic heart disease; Hypertension; Peripheral vascular disease Respiratory Disorders: Bronchial asthma; Chronic Obstructive; Pulmonary Disorder (COPD); Allergic rhinitis; Pulmonary; tuberculosis; Sleep apnea; Snoring

Unit-2: NEURO MUSCULAR DISORDERS [15 Hrs.]

Yogic management of Muscle and Bone Disorders: Pain in the limbs; and back; Rheumatoid arthritis; Osteoarthritis; Connective tissue disorders; Muscular dystrophy ; Neurological Disorders: Migraine & Tension headache; Cerebro-vascular accidents; Epilepsy; Pain; Autonomic dysfunctions; Idiopathic Parkinson's disease; Multiple sclerosis; Refractory errors of vision; Psychological Medicine: Neurotic disorders; mood disorders; Schizophrenia; Chemical abuse; Eating disorders; Phobias; Mental retardation; Obsessive compulsive disorder.

Unit-3: DIGESTIVE, ENDOCRINE & METABOLIC DISORDERS [15 Hrs.]

Yogic management for Digestive Disorders: Acid peptic disease; Irritable bowel syndrome; Hepatitis; Endocrine & Metabolic Disorders: Diabetes mellitus; Thyroid dysfunction; Disorders of adrenal cortex; Obesity.

Unit-4: OBSTETRICS & GYNECOLOGICAL DISORDERS [15 Hrs.]

Yogic management for Pregnancy induced hypertension; Pre-eclampsia; Intra-Uterine Growth Retardation (IUGR); menstrual disorders (e.g., dysmenorrhea, pre-menstrual syndrome); Infertility; Menopause.

TEXT BOOKS:

1. Dr R Nagarathna, Dr H R Nagendra and Dr Shamanthakamni, Yoga for common ailments and IAYT for different diseases, Swami Vivekananda Yoga Prakashana, Bangalore, 2002.
2. Swami ramdev: Rog ke kiye Yog: Divya Prakashan.
3. Yogic management for various Disorders (Booklets): MDNIY Publications

D. Course Name: YOGA AND MENTAL HEALTH

**Final Exam (SEE)-35 Marks
Internal Assessment (CT+TA)-15 Marks**

Objectives

Following the completion of the course, students shall be able to

- Understand basics of Mental Health
- Understand fundamental Psychiatric Disorders
- Understand about Personality
- Understand application of Yoga for Mental health

Learning outcomes:

Following the completion of this course, students shall be able to

- Understand the altered states of consciousness.
- Know the science of abnormal behaviour and classifications of abnormality.
- To develop skill for diagnosis and management of Anxiety, Conversion and other related disorders.
- Learn the Yogic management of Developmental Disorders, Substance Related Disorders and Eating Disorders.

Unit-1: MENTAL HEALTH [15 Hrs.]

Mental Health: Meaning and Importance; Yogic Perspective of Mental Health; Yoga nidra, Kuntha, samayojan, stress, emotions, feelings, adjustments.

Unit-2: BASIC TO HAVE A PERCEPTION ABOUT PSYCHIATRIC DISORDERS [15 Hrs.]

Sign and symptoms of Delirium, Dementia, and Amnesic Disorders; Substance-Related Disorders; Schizophrenia and Other Psychotic Disorders ; Mood Disorders ; Eating Disorders ; Personality Disorders.

Unit-2: BASIC TO HAVE A PERCEPTION ABOUT PERSONALITY DISORDERS [15 Hrs.]

Sign and symptoms of Personality Disorders: Borderline, Antisocial, Histrionic, Paranoid, Narcissistic, Obsessive-Compulsive, and Dependent and Eating Disorders.

Unit- 2: YOGA FOR MENTAL HEALTH [15 Hrs.]

Yogic Concepts and Techniques in Patanjala Yoga Sutra and Bhagwadgita for Promoting Mental Health; Need of Spiritual Growth for Mental Health; Specific Yogic Practices for Promotion of Mental Health: Memory, Intelligence, Breath; Awareness, Shavasana, Yoganidra, Pranayama and Meditation; Yogic Life-style.

TEXT BOOKS:

- Singh, A. K. : Saral Samanya Manovijnana. Delhi: Motilal Banarasidas Publications, 2007
- Tilak, B. G. : Srimad Bhagwadgita Rahasya. Poona: Tilak Mandir.
- Udupa, K.N. : Stress and Its Management by Yoga. Delhi: Motilal Banarasidas, 2007
- Vivekananda, Swami : Raja Yoga. Nagpur: Ramakrishna Math.

Future Topics

Paper I

Idea of Bharat

2 CREDITS

Learning Outcome: Students will acquire idea regarding the primitive life and cultural Status of the people of ancient India. They can gather idea about the society, culture, Religion and political history of ancient India. They will also acquire the idea of changing Socio-cultural scenarios of India.

UNIT I- Concept of Bharatvarsha

To Have a perception of Bharatvarsha, Eternity of synonyms Bharat, Indian concept of time and space
The glory of Indian Literature: Veda, Vedanga, Upanishads, Epics, Jain and Buddhist Literature, Smriti, Puranas Etc.

UNIT II- Indian Idea Tradition, Art and Culture

Evolution of language and Script: Brahmi, Kharoshiti, Pali, Prakrit, Sanskrit, Salient features of Indian Art & Culture, The ethics of Indian valor

UNIT III- Dharma, Philosophy and Vasudhaiva Kutumbakam

Indian perception of Dharma and Darshan, The concept of Vasudhaiva Kutumbakam: Vishva Bandhutva, Religious and Cultural Harmony, Family, Society and world, Polity and governance, the concept of Janpada & Gram Swarajya

UNIT IV- Science and Technology in Ancient India

Science and Technology in Ancient India, Environmental conservation: Indian View, Jyotish- Shastra; Antiquity of Astrology and Skandhpanch of Jyotish- Hora, Siddhant, samhita, Prashn and Shakun. Ras-Shastra, Indian numeral system and Mathematics; Aryabhata, Varahamihir. Samvatsar: Vikram Samvat, Shak Samvat.

UNIT V- Indian economic traditions

Ancient Indian economic thoughts, Concept of land, forest and agriculture, Industry, inland trade commerce, Maritime Trade.

Suggested Readings:

- ❑ A.I Basham: *The Wonder that was India*, Rupa, Delhi 1994
- ❑ A.S Altekar, *Education in Ancient India*, Nand Kishore & Bros, Varanasi 1944
- ❑ Balbir Singh Sihag: *Kautilya: The true founder of Economics*, Vitasta Publishing Pvt. Ltd, Delhi, 2014
- ❑ Bhagvadatt: *वृहद् भारत का इतिहास*, प्रणव प्रकाशन, नई दिल्ली
- ❑ Dharampal: *The Beautiful Tree*, Other India press, Delhi 1995
- ❑ Faith Robertson Elliott: *Gender Family and Society*, St. Martin press, New York, 1996
- ❑ G. Arrhenius: *Evolution for space*
- ❑ Govind Chandra Pandey : **भारतीय इतिहास, प्रणव ग्रंथ अकादमी, भोपाल, 2008**
- ❑ **Govind Chandra Pandey: *संस्कृत इतिहास*, लोक भारती प्रकाशन, दिल्ली**
- ❑ Narendra Mohan: *भारतीय इतिहास*, प्रभात प्रकाशन, तदल्ली, 2011
- ❑ Omprakash Pandey: *दृष्टव्या ज्ञान कायताथ*, प्रभात प्रकाशन, तदल्ली 2005
- ❑ Radha Kumud Mookerji: *Indian Shipping*, Pub. South Asia Books, 1999
- ❑ Rajbali Pandey: *भारतीय पुरातत्व*, लोक भारती प्रकाशन, इलाहाबाद, 1998

- ❑ Satish Chand Mittal: भारतीय **laLd`fr** के चारअध्याय,अखिल भारतीय इततहास सं कलन योजना, तदल्ली, 2018
- ❑ Shri Arvind: भारतीय **laLd`fr** के आधार, अतदतत कायाथ लय,अरतवं द आश्रम, पोतिचे री
- ❑ Thomas Maurice: Indian Antiquities, Pub. T. Maurice, 1806, London
- ❑ Vasudev Sharan Aggarwal: पाणिनी कालीन भारतवष , पृथ्वी प्रकाशन वाराणसी
- ❑ Vishambhar Sharan Pathak: दे श के अतभधान , पू वाथ सं स्थान, गोरिपुर,1992
- ❑ Will Durant: The Story of civilization, five communication, US, Jan. 1993(11 Vol)
- ❑ Zekuthial Ginshurg: New light on our Numerals.
- ❑ R.K Mookherjee: The Fundamental Unity of India

Paper I

History of Yoga and Ayurved

2 CREDITS

UNIT I- Origin and Development of Yoga and Ayurved in Early Ancient Indian history

Indus-Valley Civilization: Archaeological sources of Yoga and Ayurveda, Vedic Age: Development of yoga in Rigved, Importance of Ayurveda in Rigved; Brief Survey of Later Vedic Period; Samved, Yazurved and Atharved,

UNIT II- Indian Idea ; Tradition and Culture

The glory of Indian Literature: Patanjali Yog-Sutra, Vedanga, Upanishads, Epics, Jain and Buddhist Literature, Smriti, Puranas. Salient features of Indian Culture: Indian educational system; Gurukul and Bauddh

UNIT III- Science-Technology in Ancient Indian history

Acharya of Ayurveda tradition; Ashwini Kumar, Patanjali, Jivak, Charak and Shushrut. Method of treatment, medicine, Health consciousness of (Science of Life): Ayurveda Yoga and Naturopathy

UNIT IV- Development of Yoga in Medieval India

Sant Yogi; Shankaracharya, Ramanujachary. Hath Yogi: Gorakhnath, Chauranginath, Swatmaram, Gherand, and Shrinivasbhata. Bhakti yogi: Tulsidas, Suradas, Purandardas, Vitthaldas and Mirabai.

UNIT V- Yoga and Ayurved in Modern Indian History (1857 to 2021 A.D.)

New Idea of Yoga and Ayurveda, Yogacharya- Ramakrishna Paramhansh, Swami Vivekanand, Swami Ramtirth, Swami Ramdev and Achary shree Balkrishna.

Suggested Readings:

- ② A.I Basham: The Wonder that was India, Rupa, Delhi 1994
- ② A.S Altekar, Education in Ancient India, Nand Kishore & Bros, Varanasi 1944
- ② Bhagvadatt: वृहद् भारत का इतिहास, प्रणव प्रकाशन, नई दिल्ली
- ② Dharampal: The Beautiful Tree, Other India press, Delhi 1995
- ② Faith Robertson Elliott: Gender Family and Society, St. Martin press, New York, 1996
- ② G. Arrhenius: Evolution for space
- ② Govind Chandra Pandey : भारतीय इतिहास, ग्रंथ अकादमी, भोपाल, 2008
- ② Govind Chandra Pandey: लोक इतिहास, लोक भारती प्रकाशन, दिल्ली
- ② Kapil Dev Dwivedi: वेदों में तत्वज्ञान, तत्वशास्त्राभारती अनुसंधान परिषद, 2014
- ② Narendra Mohan: भारतीय इतिहास प्रभात प्रकाशन, तदल्ली, 2011
- ② Radha Kumud Mookerji: Indian Shipping, Pub. South Asia Books, 1999
- ② Rajbali Pandey: भारतीय पुरातत्त्व, लोक भारती प्रकाशन, इलाहाबाद, 1998
- ② Satish Chand Mittal: भारतीय इतिहास के चार अध्याय, अखिल भारतीय इतिहास संकलन योजना, दिल्ली, 2018
- ② Shri Arvind: भारतीय संस्कृत के आधार, अदिति कार्यालय, अरविंद आश्रम
- ② Thomas Maurice: Indian Antiquities, Pub. T. Maurice, 1806, London
- ② Vasudev Sharan Aggarwal: ikf.kuh कालीन Hkkjro"KZ , पृथ्वी प्रकाशन वाराणसी
- ② Will Durant: The Story of civilization, five communication, US, Jan. 1993(11 Vol)
- ② Zekuthial Ginshurg: New light on our Numerals.
- ② R.K Mookherjee: The Fundamental Unity of India

Syllabus of Masters of Yogic Arts & Science (M. Sc. Yoga)

Department of YogaScience
University of Patanjali



Haridwar-249405, India

MASTER OF SCIENCE (YOGA) - MSc (Yoga)

Preamble

The tradition of Yoga has always been passed on individually from teacher to student through oral teaching and practical demonstration. The formal techniques that are now known as Yoga are, therefore, based on the collective experiences of many individuals over many thousands of years. The particular manner in which the techniques are taught and practiced today depends on the approach passed down in the line of teachers supporting the individual practitioner. Yoga is essentially a spiritual discipline based on an extremely subtle science, which focuses on establishing harmony between mind, body; thought and action; restraint and fulfilment; harmony between man and nature and a holistic approach to health and well-being. Yoga is not about exercise but to discover the sense of oneness with ourselves, the world and Nature. It is an art and science for healthy living.

The word "Yoga" is derived from the Sanskrit root 'yuj' meaning "to join", "to yoke" or "to unite". Therefore the aim of yoga is to unite the individual consciousness with the supreme consciousness. Yoga is a science and art of living; also it is a body of techniques that lead us to consciously connect with ourselves and with life, the experience of yoga. As yoga is an art and science, there is no dogma or belief system attached to it. Yoga tells us to do a certain practice and feel the effect following the practice, e.g. if we breathe slowly in a relaxed manner we will slow our heart rate; if we focus the mind we will develop mental peace and deep insight. In addition to this, Yoga is becoming popular day by day and has become a wave which is sweeping across the globe. In this course we introduce yoga as a science of Holistic living and not merely as yoga postures. During the course the student is taught the concepts of Yoga for the treatment and prevention of various psychosomatic and life style related ailments. This **Choice Based Credit System (CBCS) based** course has the vision of producing yoga professional so that they could teach yoga therapy in a paramedical department of a hospital with the ability to select specific safe practice modules for different diseases.

I. Title of the Programme

The programme shall be called "**Master of science in Yoga**" (MS)

II. Aim of the Programme

The aim of the programme is to produce "**Yoga therapist as a paramedical professional**"

III. Objectives of the programme

Prevention: To introduce yoga therapy, its principles and practices of yoga for prevention of various lifestyles, non-communicable and psychosomatic disorders.

Promotion of positive health: To prepare them for giving talks and offering techniques to promote healthy yogic lifestyle.

Treatment: To create professional therapists of high calibre who know the concepts, techniques and can handle lifestyle disease under the guidance of a super specialist doctor to select safe specific practices for different diseases.

III. Scheme of Teaching and Examination

S.N.	Subject Code	Subject Title	Periods per week			Evaluation Scheme				Subject Total
						Seasonal			SEE	
			L	T	P	Credit	CT	TA		
I Year										
Semester – I										
1	MS-CT101	Insights into Indian Philosophy	3	1	0	4	20	10	70	100
2	MS-CT102	Applications of Hatha Yoga & Patanjali Yoga	3	1	0	4	20	10	70	100
3	MS-CT103	Biomechanics & Kinesiology	3	1	0	4	20	10	70	100
4	MS-CT104	Therapeutic Yoga	3	1	0	4	20	10	70	100
5	MS-CT105	Yoga & Strategic Management	3	1	0	4	20	10	70	100
6	MS-CP106	Yoga Therapy Practices-I	0	0	8	4	20	10	70	100
7	MS-CP107	Biomechanics & Kinesiology Practical	0	0	4	2	10	5	35	50
			32 Hrs			26	TOTAL			650
Semester – II										
1	MS-CT201	Applications of Yoga Vasistha & Bhagavad Gita	3	1	0	4	20	10	70	100
2	MS-CT202	Physiological Effects of Yoga Practices	3	1	0	4	20	10	70	100
3	MS-CT203	Yoga, Dietetics & Nutrition	3	1	0	4	20	10	70	100
4	MS-CT204	Applied Yoga Psychology	3	1	0	4	20	10	70	100
5	MS-CT205	Research Methodology Statistics	3	1	0	4	20	10	70	100
6	MS-CP206	Contemporary Yoga Techniques for self-management	0	0	8	4	20	10	70	100
7	MS-CP207	Practical: Applied psychology and Counselling	0	0	4	2	10	5	35	50

36 Hrs						28	TOTAL			650
II Year										
Semester – III										
1	MS-SCT301	Principal Upanishads	3	1	0	4	20	10	70	100
2	MS-SCT302	Yoga as Synthesis of World Religions	3	1	0	4	20	10	70	100
3	MS-EL303	Elective-1	3	1	0	4	20	10	70	100
4	MS-FW304	Field Training-I	-	-	-	4	20	10	70	100
5	MS-PW305	Dissertation-I	0	0	-	4	-	-	-	200
15+Hrs						20	TOTAL			600
Semester – IV										
1	MS-SCT401	Yoga Shastras-I*	3	1	0	4	20	10	70	100
2	MS-SCT402	Yoga Shastras-II**	3	1	0	4	20	10	70	100
3	MS-EL403	Elective-II	3	1	0	4	20	10	70	100
4	MS-FW404	Field Training-II	0	0	-	4	20	10	70	100
5	MS-PW405	Dissertation-II	0	0	-	4	-	-	-	200
15+ Hrs						20	TOTAL			600
Total number of Credits						88	Total marks			2500

*SST – Specialised Courses Theory, SSP - Specialized Courses Practicals; EL – Elective; DSTE – Discipline specific theory elective, PW-Project work, FW-Field Work
L - Lecture, T-Tutorial, P-Practical (practice/field), CT- Cumulative Tests, TA - Teachers Assessment, SEE - Semester Examination, PR- Practical Record*

* (Chatuh-sutri: Brahmasutra), Narada bhakti sutra, Vivekachudamani, Swami Vivekananda's four

Yogas

** Karma Yoga Sutra Shatakam, Samkhya Karika,

Name of the Course: Insight into Indian Philosophy

Course Code: MS-CT 101

Course Objectives:

Following the completion of this course, students shall be able to

1. Outline the six systems of Indian philosophy.
2. Explain the understanding of Yoga as a philosophy and inculcate the essence.
3. Describe the various schools of philosophy like Buddhism, Samkhya, Mimamsa etc. which are relevant to yoga practice.

Course Outcomes:

After going through this course, learners are expected to

1. Review basics of Indian Philosophy.
2. Interpret yoga Philosophy.
3. Discuss life problems in connection to Indian Philosophy

Mapping of COs to POs

CO	PO1	PO2	PO3
CO1	√		
CO2		√	
CO3		√	√

Course Content

Units	Title	COs Addressed
1	Nyaya and Vaisesika	CO1, CO2, CO3
2	Samkhya and Yoga	CO1, CO2, CO3
3	Mimamasa (Purva and Uttara)	CO1, CO2, CO3
4	Jain, Buddha and Carvaka Philosophy	CO1, CO2, CO3

Assessment Plan

Total Number of Hrs: 60	Theory	Tutorial	Practical
Credits	3	1	0
Hrs/ week	3	1	0
SCHEME OF EXAMINATION			
Total Marks: 100			
Theory: 100		Practical :	
Final Exam (SEE)	Internal Assessment (CT+TA)	Final Exam (SEE)	Internal Assessment (CT+TA/PR)
70	30		

Mapping Assessment with COs

S.No.	Assessment type	CO1	CO2	CO3
1	Internal Examination	√	√	√
2	Semester End Examination	√	√	√

UNIT 1: Nyaya and Vaisesika [15hrs]

Nature of physical world, concept of Individual soul, supreme soul, and liberation in Indian philosophy, Theory of body, mind and soul, The sixteen Padarthas according to Nyaya, Concept of Nyaya philosophy; Means and objects of knowledge and salvation according to Nyaya and Vaisesika, Category of substance-Nava dravyas, Category of quality-24 gunas, Relation between Nyaya and Vaisesika philosophy.

UNIT 2: Samkhya and Yoga [15hrs]

Theory of cause and effect; Prakriti and Purusha; Concept and Process of evolution and Liberation; Concept of Atman, Brahma, Maya, Universe, God; Threefold afflictions and means to overcome afflictions; Twenty five entities and means of knowledge according to Samkhya and; Saakarya Vada; Similarities and dissimilarities between Vyakta and Avyakta, Triguna; Existence of Purusa, plurality of Purusa, proximity of Purusa and Prakrti; Karana, Antah Karana and Bahya Karana according to Sankhya Karika; Liberation and means of attaining it; Organization of the Yoga sutras, stages of Chittas, forms of Chitta, modification of Chittas, Kind of Kleshas, the eight fold of Yoga and God & liberation.

UNIT 3: Mimamasa (Purva and Uttara) [15hrs]

Concept of Badarayana in Uttaramimamsa; Anumana, Sabda; Difference between vidya & avidya, subject & object, creation & causation, cause & effect; Pratyaksa, Anumana, Upamana, Arthapati, Anupalabdi and Sabda according to Uttaramimamsa; Atheism, Dharma in the context of Purvamimamsa, Summary of ten Upanisads, Atman, Brahma, Maya, Universe, God; The self and human life; Major teachings of Mimamsa system; Selfless action, nonattachment, self-control, self-discipline; Daily schedule for psychophysical wellbeing, social awareness, sense of equality, unity with diversity, selectiveness.

UNIT 4: Jain, Buddha And Carvaka Philosophy [15hrs]

Carvaka philosophy: Origin and history of Carvaka philosophy, Metaphysics and Epistemology, Buddhism: Four noble truths, Pramanas Jainism: Categories, Triratnas and Syadvada.

RECOMMENDED BOOKS:

- Bhushan, N., & Garfield, J. L. (2015). *Indian Philosophy in English: From Renaissance to Independence. Indian Philosophy in English: From Renaissance to Independence.* doi:10.1093/acprof:osobl/9780199769261.001.0001
- Bhushan, N., & Garfield, J. L. (2017). *Minds Without Fear: Philosophy in the Indian Renaissance.* New York, NY: Oxford University Press.
- Bilimoria, P. (2015). *Nature in Indian Philosophy and Cultural Traditions. Sophia Studies in Cross-cultural Philosophy of Traditions and Cultures* (Vol. 12). New Delhi, India: Springer. doi:10.1007/978-81-322-2358-0
- Frauwallner, E. (1973). *History of Indian Philosophy, (Vol 2.* Varanasi, India: Motilal Banaridass Publishers.
- Gupta, B. (2012). *An Introduction to Indian Philosophy: Perspectives on Reality, Knowledge, and Freedom.* New York, NY: Routledge. doi:10.5840/ipq197717452
- Hiriyanna, M. (1994). *Outlines of Indian Philosophy.* Varanasi, India: Motilal Banaridass Publishers.
- I, B. S., Potter, K. H., Larson, G. J., Bhatlacharya, R. S., Philosophy, B., Karl, A. D. E., et al. (1995). *Encyclopedia of Indian Philosophies.*
- Mohanty, J. N. (2008). A History of Indian Philosophy. *A Companion to World Philosophies*, 24–48. doi:10.1002/9781405164566.ch2
- Potter, K. H. (1987). *Encyclopedia of Indian Philosophies Vol IV.* Delhi, India: Motilal Banaridass Publishers.
- Press, O. U. (1928). *Indian Philosophy: A Very Short Introduction. Mind* (Vol. 37). doi:10.1093/mind/XXXVII.145.130
- Radhakrishnan, S., & Moore, C. A. (Eds.). (1957). *A Source Book in Indian Philosophy.* New Jersey, NJ: Princeton University Press.
- Schweizer, P. (1993). Mind/Consciousness Dualism in Sankhya-Yoga Philosophy. *Philosophy and Phenomenological Research*, 53(4), 845–859. doi:10.2307/2108256
- Timalsina, S. (2008). *Consciousness in Indian philosophy: The Advaita doctrine of “awareness only.” Consciousness in Indian Philosophy: The Advaita Doctrine of “Awareness Only.”* doi:10.4324/9780203889176

Name of the Course: Applications of Hatha and Patanjali Yoga

Course Code: MS-CT 102

Course Objectives:

Following the completion of this course, students shall be able to

1. Apply Hatha Yoga and Patanjali Yoga related principles and practices in biopsychosocial contexts.
2. Prescribe Hatha and Patanjali Yoga for stress management.
3. Create value and insights of Hatha and Patanjali Yoga for persons with special need.

Course Outcomes:

After going through this course, a learner will be able to

1. Outline yogic anatomy and physiology.
2. Demonstrate Hatha yoga practices.
3. Prescribe hatha yoga practice for stress management, behavior moderation, performance excellence, health promotion, disease prevention and therapy.

Mapping of COs to POs

CO	PO1	PO2	PO3
CO1	√		
CO2	√	√	
CO3			√

Course Content

Units	Title	COs Addressed
1	Applications of Hatha Yoga in Stress Management & Personality Development	CO1, CO2, CO3
2	Application of Patanjali yoga in Stress Management	CO1, CO2, CO3
3	Application of Hatha Yoga and Patanjali Yoga in Sports	CO1, CO2, CO3
4	Application of Hatha Yoga and Patanjali Yoga for Rehabilitation of Children with Special Needs	CO1, CO2, CO3

Assessment Plan

Total Number of Hrs: 60		Theory	Tutorial	Practical
Credits		3	1	0
Hrs/ week		3	1	0
SCHEME OF EXAMINATION				
Total Marks: 100				
Theory : 100		Practical :		
Final Exam (SEE)	Internal Assessment (CT+TA)	Final Exam (SEE)	Internal Assessment (CT+TA/PR)	
70	30			

Mapping Assessment with COs

S.No.	Assessment type	CO1	CO2	CO3
1	Internal Examination	√	√	
2	Semester End Examination	√	√	√

UNIT 1: Applications of Hatha Yoga in Stress Management & Personality Development [15 Hrs]

Holistic yogic approach for stress prevention and management: Shat kriyas (cleansing techniques), asanas (postures), bandha and mudras (locks and gestures), pranayama (breath regulation), dharana (concentration), dhyana (meditation).

Physical level: slim body, beauty, glow on face, healthy digestive fire and disease free state through yogic diet , shat kriyas (purifications of internal organs/ detoxification), asanas (for strength and stamina).

Prana level: Purification of nadis and mastery over prana through mudras, bandhas and pranayama.

Mental level: personal and social discipline through yamas(don'ts) and niyama(do's), cultivation of four fold abilities (grasping , concentration, memory and intellectual capacity) through pratyahara, dharana, dhyana, and samadhi);

Emotional level: Mastery over emotions to prevent aggressive behavior, anger, fear, anxiety, and depression through Ishwara Pranidhana (Surrenderance to the supreme); Social and civic sense: preserve environment by understanding that 'I am a piece of the universe' throughright knowledge of *yjuyate anena it yogah* (yoga is that which unites the individual consciousness with universalconsciousness).

Spiritual health: Joy, bliss and equanimity under all circumstances through Practice of higher states of Meditation (Super consciousness states).

UNIT 2: Application of Patanjali yoga in Stress Management [15 Hrs]

Practices for Chitta Vritti Nirodha (Abhyasa and Vairagya), Cultivation of four fold attitude for Chitta prasadanam, Ashtanga Yoga: Culturing the life through Yama and Niyama;

Pratyahara for abstinence from sensual cravings; Applications of Hatha Yoga in personality development: Physical level: Slim body, beauty, glow on face, healthy digestive fire and Disease free state through, yogic diet, Shat Kriyas (purifications of internal organs/ detoxification), Asanas (for strength and stamina);

Prana level: Purification of Nadis and mastery over prana through mudras, bandhas and Pranayama

Mental level: Personal and Social Discipline through five Yamas(don'ts) and five Niyama(do's), cultivation of four fold abilities (grasping , concentration, memory and intellectual capacity) through pratyahara, Dharana, Dhyana, and Samadhi);

Emotional level: Mastery over emotions to prevent aggressive behavior, anger, fear, anxiety, and depression through Ishwara Pranidhana (Surrender to the supreme); social and civic sense: preserve environment by understanding that 'I am a piece of the universe' through right knowledge of yuyate anena it yogah (yoga is that which unites the individual consciousness with universal consciousness);

Spiritual health: joy, bliss and equanimity under all circumstances through practice of advanced Meditation, Prayer, Selfless Service and Nad.

UNIT 3: Application of Hatha Yoga and Patanjali Yoga in Sports [15 Hrs]

Physical Level: Physical Stamina; strength; Endurance; Muscle tone; flexibility through sanas, diet and kriyas ; Kriyas (Cleansing of internal organs for clearing the tissue toxins before and after the intense training);

Vital Level: Pranayama (for Lung capacity);

Mental Level: Gain mastery over the Mind, concentration, focusing, Reduction of Ego; Development of positive and good qualities; Reduction of aggressive nature; through Meditation and Breathing Techniques;

Cognitive abilities– Focus, creative skills and thinking; Willpower, Creativity;

Spiritual Level: concept of using sports for spiritual growth through intensified awareness.

UNIT 4: Application of Hatha Yoga and Patanjali Yoga for Rehabilitation of Children with Special Needs [15 Hrs]

Assessment of cognitive, emotional, physical needs of normal and special children. Specific modules of integrated yoga for children with down syndrome, cerebral palsy, autism spectrum disorders learning disabilities and physical disability, Impaired vision & hearing, speech disorders, unhealthy behaviours, integrated yogic prescription to increase cognitive and motor skills in normal children, yoga practices for improving strength, Endurance, speed, agility, flexibility, and self-confidence.

TEXT BOOKS:

Patanjali Research Foundation. (2015). *Research Publications*. Haridwar, India: DivyaPrakashan

Ramdev, S. (2006). *Yoga Sadhana and Yoga Chikitsa Rahasya*. Haridwar, India: DivyaPrakashan.

Ramdev, S. (2009). *Pranayam Rahasya*. Haridwar, India: Divya Prakashan.

Balkrishna, A. (2017). *Yoga Vigyanam*. Haridwar, India: Divya Prakashan.

Sahay G.S. : *HathaYoga Pradeepika of Svatmarama*, MDNIY Publication, 2013

Iyengar B.K.S. : *Light on the Yoga Sutras of Patanjali*, Published Thorsons,2002

REFERENCE BOOKS:

Gharote ML: *Hatharatnavali*, The Lonavala Yoha Institute, Lonavala, Pune, IInd Edition, 2009

Gharote, M.M.: *Therapeutic references in Traditional Yoga Texts*, The Lonavla

Iyengar, B. K. S. (1982). *Light on Yoga. Yoga Dipika*. doi:10.1007/s13398-014-0173-7.2
Institute, Lonavla, 2010.

Iyengar, B. K. S. (2001). *Yoga: The Path to Holistic Health* (1st ed.). London, Great Britain: Dorling Kindersley.

Iyengar, B. K. S. (2005). *The Illustrated Light on Yoga* (10th ed.). New Delhi: HarperCollins Publishers India. file:///C:/Users/Admin/Downloads/BKS IYENGAR-Illustrated Light on Yoga-harper collins (2005).pdf

Long, R. (2008). The Key Muscles of Hatha Yoga. papers://0528d255-b313-4f39-8be9-b9934b4cb82f/Paper/p201

Muktibodhananda, S. (2006). *Hatha Yoga Pradipika: Light on Hatha Yoga* (3rd ed.). Munger, India: Yoga Publications Trust. doi:10.1098/rsta.2012.0199

Rieker, H.-U. (1992). *Hatha Yoga Pradipika*. Detroit, MI: The Aquarian Press.
<http://www.hermetics.org/pdf/HathaYogaPradipika.pdf>

Rukmini T.S.: *Yoga Vartika of Vijnanbhikshu (Tr.) Vol I, II, III & IV*, Munshiram Manoharlal Pvt. Ltd. New Delhi

Saraswati, S. S. (1995). *Asana, Pranayama, Mudra and Bandha*. Munger, India: Bihar School of Yoga.

Saraswati, S. S. (2001). *Kundalini Tantra*. Munger, India: Yoga Publications T rust.
http://www.amazon.de/Kundalini-Tantra-Swami-Satyananda-Saraswati/dp/3928831089/ref=sr_1_1?s=books&ie=UTF8&qid=1329666187&sr=1-1

Saraswati, S. S. (2004). *A Systematic Course in the Ancient Tantric Techniques of Yoga and Kriya. Bihar School of Yoga*. Munger, India: Yoga Publications Trust

Sharma BR : *Jotsna (Comentory of HathaYoga Pradeepika) Kaivalyadhama*, Lonavala, 2013

Swami Vivekananda : *Rajayoga*, Advaita Ashram, Culcutta, 2000.

Woods, J.H.: *The Yoga System of Patanjali*, M.L.B.D., Delhi, 1988

Name of the Course: Biomechanics and Kinesiology

Course Code: MS-CT103

Course Objectives:

The biomechanics course objectives are to

1. describe importance of biomechanics in yoga practice.
2. interpret concepts and principles that influence human movement.
3. illustrate the use of these general biomechanics concept in the professional skill for the diagnosis of the movement during yoga practices.

Course Outcomes:

After going through this course, a learner is expected to

1. outline biomechanics of major synovial joint-hip, spine, shoulder, elbow, wrist and associated muscles.
2. explain concept of load, motion, linear and angular kinematics and kinetics for analysis of human motion.
3. practice idea of biomechanics and kinesiology for proper postural alignment, jumping, walking, running and gait analysis.

Mapping of COs to POs

CO	PO1	PO2	PO3
CO1	√		
CO2	√	√	
CO3		√	√

Course Content

Units	Title	COs Addressed
1	Biomechanics of Hip and Spine	CO1, CO2
2	Biomechanics of Shoulder, Elbow and Wrist	CO1, CO2
3	Kinesiology	CO2, CO3
4	Muscle Biomechanics	CO2, CO3

Assessment Plan

Total Number of Hrs: 60	Theory	Tutorial	Practical
Credits	3	1	0
Hrs/ week	3	1	0
SCHEME OF EXAMINATION			
Total Marks: 100			
Theory : 100		Practical :	
Final Exam (SEE)	Internal Assessment (CT+TA)	Final Exam (SEE)	Internal Assessment (CT+TA/PR)
70	30		

Mapping Assessment with COs

S.No.	Assessment type	CO1	CO2	CO3
1	Internal Examination	√	√	
2	Semester End Examination	√	√	√

UNIT 1: Biomechanics of Hip and Spine [15 Hrs]

Biomechanics of Hip Structure & function of the bones & non contractile element of the Hip, mechanics & Patho-mechanics of muscle activity at the hip & analysis of the force on the Hip during various Yoga postures; Biomechanics of spine; Structure & function of the bones & joints of the cervical spine, mechanics & patho-mechanics of the cervical musculature, analysis of the force on the cervical spine during activity, Structure & function of the bones & joints of the thoracic spine, mechanics of the thoracic musculature, analysis of the force on the thoracic spine during Yoga posture & structure & function of the bones & joints of the lumbar spine. Mechanics of the lumbar musculature, analysis of the force on the lumbar spine during Yoga postures. Structure & function of the bones & joints of the pelvis, mechanics of the muscle activity in the pelvis & analysis of the forces on the pelvis during activity.

UNIT 2: Biomechanics of Shoulder, Elbow and Wrist [15 Hrs]

Biomechanics of shoulder; Structure & function of the bones & joints of the Shoulder complex, mechanics & Patho-mechanics of the muscle activity in the Shoulder complex & analysis of the forces on the Shoulder complex during Yoga postures; Biomechanics of Elbow; Structure & function of the bones & non contractile element of the elbow, mechanics of muscle activity at the elbow & analysis of the force on the elbow during Yoga postures; Biomechanics of Wrist & Hand Structure & function of the bones & joints of the Wrist & hand mechanics of the muscle activity in the wrist & hand, analysis of the force on the wrist during activity, mechanics of the Special connective tissue in the hand.

UNIT 3: Kinesiology [15 Hrs]

Loads and Motion in the Musculoskeletal System: Jumping, walking, running, gait analysis, Linear and angular kinematics and kinetics of human movement, Human movement in a fluid medium, Kinematics and kinetic Concepts for Analysis Human Motion, Biomechanics measurement and analysis methods body segment parameters/segment inertia properties.

UNIT 4: Muscle Biomechanics [15 HRS]

Movement patterns – the essence of sports biomechanics, Qualitative analysis in Asanas movements, joint forces and muscular moment in Asanas, Energy work and muscular power during an movement in Asanas, various Asanas and its healthimpact.

TEXT BOOKS:

Hay, J.G. and Reid, J.G.: *Anatomy, mechanics and human motion*. Englewood Cliffs, N.J.: prentice Hall Inc. 1988.

Knudson, D.: *Fundamentals of biomechanics*. New York, NY: Springer, 2007

REFERENCE BOOKS:

Cael, C. (2010). *Functional Anatomy: Musculoskeletal anatomy, kinesiology, and palpation for manual therapists*. (J. Goucher, Ed.). Philadelphia, PA: Lippincott Williams & Wilkins.

Clay, J.H., & Pounds, D.M. (2008). *Basic clinical massage therapy: integrating anatomy and treatment* (2nd ed.). Lippincott Williams & Wilkins. doi:10.1139/apnm-2014-0147.Hoon

Franc Bell: *Principles of Mechanics and Biomechanics*, Stanley Thornes Publications, 1998

Iwan W. Griffiths, *Principles of Biomechanics & Motion Analysis*, Published by Lippincott Williams & Wilkins, 2006

Jelvéus, A., & Oddsson, K. (2011). *Integrated Sports Massage Therapy: A Comprehensive Handbook*. London, Great Britain: Elsevier Churchill Livingstone. doi:10.1016/B978-0-443-10126-7.00001-0

Kaminoff, L., Matthews, A., & Ellis, S. (2007). *Yoga anatomy*. U.S.A: Human Kinetics.

McGinnis, P.: *Biomechanics of sport and exercise*. Champaign, IL: Human Kinetics, 2013

Simon Borg-Olivier, & Machliss, B. (2011). *Applied anatomy & physiology of yoga*. Waverley, NSW: yogasynergy.

Werner, R. (2013). *A Massage Therapist's Guide to Pathology* (5th ed.). Philadelphia, PA: Lippincott Williams & Wilkins.

Name of the Course: Therapeutic Yoga

Course Code: MS-CT104

Course Objectives:

Following the completion of this course, students shall be able:

1. To understand the concept of body and health from the perspective of yoga.
2. To have an understanding of the Yogic concept of Disease and the remedial measures there in.

Course Outcomes:

After the study of this course, a learner will be able

1. Quote modern and classical concept of health, wellness, illness and well-being.
2. Prescribe yoga practice for purification of physique, bioenergy and psyche.
3. Describe yogic principle and practice for empowering psychological, social and spiritual health and wellness.
4. Propose bio-psychosocial benefits/implications of yoga practices
5. Apply psychosomatic and pranic yoga practices for health promotion, disease prevention and healing.

Mapping of COs to POs

CO	PO1	PO2	PO3
CO1	√		
CO2	√	√	√
CO3	√	√	√
CO4		√	
CO5		√	√

Course Content

Units	Title	COs Addressed
1	Yogic Concepts of Health, Stress and Disease	CO1, CO4
2	Preventive Healthcare According to Yoga	CO2, CO4
3	Yoga for Prevention of Health	CO2, CO3, CO5
4	Evidenced Psycho-Physiological Effects of Yoga	CO2, CO3, CO5

Assessment Plan

Total Number of Hrs: 60	Theory	Tutorial	Practical
Credits	3	1	0
Hrs/ week	3	1	0
SCHEME OF EXAMINATION			
Total Marks: 100			
Theory : 100		Practical :	
Final Exam (SEE)	Internal Assessment (CT+TA)	Final Exam (SEE)	Internal Assessment (CT+TA/PR)
70	30		

Mapping Assessment with COs

S.No.	Assessment type	CO1	CO2	CO3	CO4	CO5
1	Internal Examination	√	√		√	
2	Semester End Examination	√	√	√	√	√

UNIT 1: Yogic Concepts of Health, Stress and Disease [15 Hrs.]

Concept of Health According to WHO and Indian Systems of Medicines i.e. Ayurveda, Naturopathy and Siddha Systems of Medicine; Utility and Limitations of these systems in health and healing; Yogic Concept of Health and Disease; Concept of Adhi and Vyadhi; Concept of stress (Adhi) as cause for Vyadhi (yogavasishtha); Role of Yoga in preventive health care – Heyam dukham anagatam ; Potential causes of Ill-health: Kleshas, Vyadhi, Styana, Samshaya, Pramada, Alasya, Avirati, Bhraṅtidarsana, Alabdha-bhumikatva, Anavasthitatva, Duhkha, Daurmanasya, Angamejayatva and Svasa-prashvasavichhepa.

UNIT 2: Preventive Healthcare According to Yoga [15 Hrs.]

Concepts of trigunas, pancha-mahabhutas, pancha koshas, pancha-prana, nadis, chakras, and their role in health and healing. Shuddhi prakriyas in yoga: role of shuddhi prakriyas in preventive and curative health, karma shuddhi (yama, niyama), ghata shuddhi (shatkarma), snayu shuddhi (asana), prana shuddhi (pranayama), indriya and mano shuddhi (pratyahara), mana, buddhi, ahankara and chitta shuddhi (dharana, dhyana and samadhi).

UNIT 3: Yoga for Prevention of Health [15 Hrs.]

Dietary regulation according to Hatha yoga and Bhagavadgita; Shatkriyas and Tatva shuddhi; Asana for mind, body and spirit; Pranayama; Definition of Mental Health, Mental Hygiene & Total Health; Psycho-Social Implications of yoga; Adaptation and adjustment [Personal and interpersonal] through yogic rules and regulations Niyamas & Yamas.

UNIT 4: Evidenced Psycho-Physiological Effects of Yoga [15 Hrs.]

Literature on therapeutic benefits of yoga in health and diseases: cardiovascular, respiratory, neurological, psychiatric, endocrine, metabolic, renal, ENT, ophthalmic, reproductive system. Literature on psycho-physiological research in normal healthy volunteers; Literature on psycho-physiological research in promotion of positive health through asanas, kriyas, mudras, bandhas, pranayamas, and meditation techniques.

TEXT BOOKS:

Patanjali Research Foundation. (2015). *Research Publications*. Haridwar, India: DivyaPrakashan.

Ramdev, S. (2006). *Yoga Sadhana and Yoga Chikitsa Rahasya*. Haridwar, India: DivyaPrakashan.

Ramdev, S. (2009). *Pranayam Rahasya*. Haridwar, India: Divya Prakashan.

Balkrishna, A. (2007). *Yoga in synergy with medical science*. Haridwar, India: DivyaPrakashan Books™

Balkrishna, A. (2017). *Yoga Vigyanam*. Haridwar, India: Divya Prakashan.

Preeti Goel & Rita Jain: *Spectrum of Health* (Sports Publications, New Delhi, 2003)

M. M. Gore: *Anatomy and Physiology of Yogic Practices* (New Age Books, New Delhi, 2008)

REFERENCE BOOKS:

Acharya, S. S. (2011). *Diagnose, Cure and Empower Yourself by Currents of Breath*. Haridwar, India: Shri Vedmata Gayatri Trust. Retrieved from file:///C:/Users/Admin/Desktop/Diagnose_Cure_And_Empower_Your_Self_By_Current_Of_Breath.pdf

Acharya, S. S. (2012). *The Astonishing Power of Biophysical & Subtle Energies of The Human Body*. Haridwar, India: Shri Vedmata Gayatri Trust. Retrieved from http://literature.awgp.org/var/node/1545/EP_04_The_Astonishing_Power_Of_Biophysical.pdf

Coulter, H. D. (2006). *Anatomy of Hatha Yoga*. Delhi, India: Motilal Banarasidas

Dr. Vijay Kant: *Therapeutic reference in Traditional Yoga texts*

Frawley, D. & Kozak, S. S. (2006). *Yoga for your type*. New Delhi, India: New Age Books.

Gore, M.M. (2004). *Anatomy and physiology of yogic practices*. Lonavala, India: Kanchan Prakashan.

Horovitz, E. G., & Elgelid, S. (2015). *Yoga Therapy: Theory and Practice*. (E. G. Horovitz & S. Elgelid, Eds.). New York, NY: Routledge.

Malshe, P. C. (2012). *A Medical Understanding of Yoga* (2nd ed.). Haridwar, India: Antar Prakash Center for Yoga.

McCall, T. (2007). *Yoga as Medicine: The Yogic Prescription for Health and Healing*. New York, NY: Bantam Dell.

Motoyama, H. (2008). *Theories of the Chakras: Bridge to Higher Consciousness*. New Delhi, India: New Age Books.

Muktibodhananda, S. (2004). *Swara Yoga: The Tantric Science of Brain Breathing*. Munger, India: Yoga Publications Trust.

Muktibodhananda, S. (2006). *Hatha Yoga Pradipika* (3rd ed.). Munger, India: Yoga Publications Trust. <https://doi.org/10.1098/rsta.2012.0199>

Nagendra H. R.: *New Perspective in Stress Management*, VK Yoga Publication, Bangalore

- Nagendra, H. R.: *Yoga for Positive Health*, Swami Vivekananda Yoga Prakashana, Bangalore, 2000
- Pradhan, B. (2015). *Yoga and Mindfulness Based Cognitive Therapy*. New York: Springer. <https://doi.org/DOI 10.1007/978-3-319-09105-1>
- Robin, Mel. (2002). *A physiological handbook for teachers of yogasana*. Arizona: Fenestra
- Robin, Mel. (2009). *A Handbook for Yogasana Teachers*. Arizona: Wheatmark®
- Segal, I. (2010). *The Secret Language of Your Body: The Essential Guide to Health and Wellness*. New York, NY: Atria Books/Beyond Words.
- Selvarasu, K. V. (2003). *Kriya Cleansing in yoga*. Tamil Nadu, India: Yoga Bharati
- T.S. Rukmani: *Patanjali Yoga Sutra*, Munshiram Manoharlal, 2001
- Taylor, M. J. (2004). Complementary Therapies in Rehabilitation. In C. M. Davis (Ed.) (2nd ed.). Thorofare, NJ: SLACK Incorporated. Retrieved from file:///C:/Users/Admin/Downloads/Carol M. Davis EdD PT MS FAPTA-Complementary Therapies in Rehabilitation_ Evidence for Efficacy in Therapy, Prevention, and Wellness-S (1).pdf
- Udapa, K. N. (2007). *Stress and its management by yoga*. Delhi, India: Motilal Banarasidas

Name of the Course: Yoga and Strategic Management

Course Code: MS-CT105

Course Objectives:

Following the completion of the course, students shall be able to:

1. record the complexities of managing a formal organization.
2. identify key strategic issues and formulating appropriate strategies given a firms' situation.
3. explain meaning and need for strategic management.
4. interpret the Indian ethos and their need for holistic globalization
5. conceptualize the need for Indian models and significance.
6. recognize the need for corporate responsibility.

Course Outcomes:

After study of this course, a learner is expected to have-

1. Basic understanding of strategic management from modern and classical perspective.
2. Skills of drafting vision mission and process of strategic management from yogic perspective.
3. Skills for internal and external assessment of business strategies.
4. Aptitude of applying yogic principles and practices for strategic management and ethical business.

Mapping of COs to POs

CO	PO1	PO2	PO3
CO1	√		
CO2		√	
CO3		√	√
CO4		√	√

Course Content

Units	Title	COs Addressed
1	Basic Concepts in Strategic Management	CO1
2	Yogic Vision, Mission	CO2
3	Internal and External Assessment, And Business Strategies	CO3
4	Yogic Approach to Strategic Management	CO1, CO3, CO4

Assessment Plan

Total Number of Hrs: 60		Theory	Tutorial	Practical
Credits		3	1	0
Hrs/ week		3	1	0
SCHEME OF EXAMINATION				
Total Marks: 100				
Theory : 100		Practical :		
Final Exam (SEE)	Internal Assessment (CT+TA)	Final Exam (SEE)	Internal Assessment (CT+TA/PR)	
70	30			

Mapping Assessment with COs

S.No.	Assessment type	CO1	CO2	CO3	CO4
1	Internal Examination	√	√		
2	Semester End Examination	√	√	√	√

Following the completion of the course, students shall be able to:

7. record the complexities of managing a formal organization.
8. identify key strategic issues and formulating appropriate strategies given a firms' situation.
9. explain meaning and need for strategic management.
10. interpret the Indian ethos and their need for holistic globalization
11. conceptualize the need for Indian models and significance.
12. recognize the need for corporate responsibility.

Course Outcomes:

After study of this course, a learner is expected to have-

5. Basic understanding of strategic management from modern and classical perspective.
6. Skills of drafting vision mission and process of strategic management from yogic perspective.
7. Skills for internal and external assessment of business strategies.
8. Aptitude of applying yogic principles and practices for strategic management and ethical business.

Mapping of COs to POs

CO	PO1	PO2	PO3
CO1	√		
CO2		√	
CO3		√	√
CO4		√	√

Course Content

Units	Title	COs Addressed
1	Basic Concepts in Strategic Management	CO1
2	Yogic Vision, Mission	CO2
3	Internal and External Assessment, And Business Strategies	CO3
4	Yogic Approach to Strategic Management	CO1, CO3, CO4

Assessment Plan

Total Number of Hrs: 60	Theory	Tutorial	Practical
Credits	3	1	0
Hrs/ week	3	1	0
SCHEME OF EXAMINATION			
Total Marks: 100			
Theory : 100		Practical :	
Final Exam (SEE)	Internal Assessment (CT+TA)	Final Exam (SEE)	Internal Assessment (CT+TA/PR)
70	30		

Mapping Assessment with COs

S.No.	Assessment type	CO1	CO2	CO3	CO4
1	Internal Examination	√	√		
2	Semester End Examination	√	√	√	√

UNIT 1: Basic Concepts in Strategic Management [15 Hrs]

Meaning of strategy, Strategic Management: meaning, definition, role, scope, importance, stages, key terms in SM, SMM Model, benefits, key terms, need for strategic planning, why firms avoid strategic planning? Pitfalls in strategic planning, guidelines for yogic approach to effective strategic management. Key success factors of a business.

UNIT 2: Yogic Vision, Mission [10 Hrs]

Yogic Vision and Mission: Need, meaning, Vision vs. Mission, importance, process, characteristics, components, writing and evaluating yogic vision and mission statements.

UNIT 3: Internal and External Assessment, And Business Strategies [20 Hrs]

Key internal forces, process of performing an internal strategic management audit, basic functions or activities that make up the different functional areas of business. Key external forces, sources of external information, Porter's five forces model of competition, Cooperative vs. Competitive Strategies – examples and exercises. Five generic competitive strategies, Diversification strategies – related and unrelated, core competencies, outsourcing. Horizontal and vertical integration, Joint Venture, Partnering, Merger, Acquisition, SM in Non-profit, Educational, Medical and Government organizations.

UNIT 4: Yogic Approach to Strategic Management [15 Hrs]

Importance of ethics in the overall process, Yoga and ethical strategic management, convergence of Western and Eastern management practices, Compassionate Leadership through Yogic approach, Balancing Purusharthas through a holistic approach and Evolution of the SELF.

TEXT BOOK:

Fred R David, *Strategic Management concepts and cases*, 10/e, Prentice Hall

REFERENCE BOOKS:

Color of the Rainbow – *Compassionate Leadership*, Swami Amritaswarupananda Puri,
Hartman & Chatterjee, *Perspectives in Business Ethics*, 3/e, Tata McGraw Hill.
Implementation and Control, 9/e, Tata McGraw Hill

John A. Pearce II and Richard B Robinson Jr., *Strategic Management: Formulation*,
M.A.center, 2013

Non-profit Management – *Principles and Practice*, Michael J. Worth, The George
Routes, New Age International Publishers, New Delhi

Sharma Subhash, *New Mantras in Corporate Corridors: From Ancient Roots to Global*
Srinivasan, *Strategic Management - Indian Context*, Prentice Hall Of India
Washington University, ISBN 9781412937788 Sage Publications, September 2008

Anokhin, S. (2006). Empirical Essays on Corporate Innovation: Untangling the
Effects of Corporate Venture Capital, 145.
http://rave.ohiolink.edu/etdc/view?acc_num=case1152821357

Name of the Course: Yoga Practicum-I

Course Code: MS-CP106

Course Objectives:

Following the completion of the course, students shall be able to:

1. list benefits, contraindications and procedure of all practices.
2. demonstrate each practice with confidence and skill.
3. Explain the procedure and subtle points involved.
4. Prescribe and teach the yoga practices to any given group.

Course Outcomes:

After study of this course, a learner will enable to

1. Practice yogic cleansing technique, surya namaskar, standing, sitting, prone, supine, balancing, relaxing poses and astakumbhaka
2. Interpret scientific basis of yoga poses and breath regulations for their proper preventive, promotive and therapeutic applications.
3. Recognize indications and contra-indication of yoga poses and astakumbhaka (breath regulations)

Mapping of COs to POs

CO	PO1	PO2	PO3
CO1		√	
CO2	√	√	√
CO3	√	√	√

Course Content

Units	Title	COs Addressed
1	Shatkarmas	CO1
2	Suryanamaskar	CO1, CO2
3	Asanas (Yogic Postures)	CO1, CO2, CO3
4	Pranayama	CO2, CO3, CO1

Assessment Plan

Total Number of Hrs: 60	Theory	Tutorial	Practical
Credits	3	1	0
Hrs/ week	3	1	0
SCHEME OF EXAMINATION			
Total Marks: 100			
Theory : 100		Practical :	
Final Exam (SEE)	Internal Assessment (CT+TA)	Final Exam (SEE)	Internal Assessment (CT+TA/PR)
70	30		

Mapping Assessment with COs

S.No.	Assessment type	CO1	CO2	CO3
1	Internal Examination	√	√	√
2	Semester End Examination	√	√	√

UNIT 1: Shatkarmas

Dhauti (Kunjal), Vastra dhauti, Danda dhauti, Laghoo and Poorna sankhaprakshalana Neti (Sutra and Jala), Kapalbhata, Agnisara, Nauli

UNIT 2: Suryanamaskar

Yogic Jogging, 12 Health promoting postures as recommended by Swami Ramdev, Suryanamaskar practice classically and in varied forms for prevention and therapy.

UNIT 3: Asanas (Yogic Postures)

Standing Postures

Ardhakati chakrasana, Hastapadasana, Ardha chakrasana, Trikonasana, kati chakrasana, Parivritta trikonasana, Parsvakonasana, Veersana,

Sitting Postures

Paschimottanasana, suptavajrasana, ardhmatsyendrasana, vakrasana, marichasana, malasana, manduk asana, vakrasana, badhakanasana, merudandasana, akarna dhanurasana, gumukhasana, Chakki asana.

Prone Postures

Bhujangasana, sarpasana, nauka asana, Salabhasana, Dhanurasana, Urdhvamukhosvanasana, Makarasana,

Supine Postures

Halasana, Chakrasana, Sarvangasana, Matsyasana, Shavasana, Setubandhasana, pad vritta asana, cycling.

Balancing Postures

Vrikshasana, vakasana, Garudasana, Namaskarasana, Tittibhasana, Natrajasana

UNIT 4: Pranayama

Breath awareness, Diaphragmatic breathing, Abdominal breathing, Bhastrika, Kapalbhata, Anulom-vilom, Nadisodhan, Bahya, Ujjayi, Bhramari, Udgeeth, Ujjai, Sitali, Sitkari, Suryabhedhi.

TEXT BOOKS:

Balkrishna, A. (2007). *Yoga in synergy with medical science*. Haridwar, India: DivyaPrakashan Books™

Balkrishna, A. (2017). *Yoga Vigyanam*. Haridwar, India: Divya Prakashan.

Patanjali Research Foundation. (2015). *Research Publications*. Haridwar, India: DivyaPrakashan

Ramdev, S. (2006). *Yoga Sadhana and Yoga Chikitsa Rahasya*. Haridwar, India: DivyaPrakashan.

Ramdev, S. (2009). *Pranayam Rahasya*. Haridwar, India: Divya Prakashan.

Yoga for Promotion of Positive Health, by Dr R Nagarathna, Dr H R Nagendra Published bySVYP, 2002

REFERENCE BOOKS:

B.K.S Iyenger: *Light on Pranayama*, Aquarian/Thorsons, 1992 Bharati, Munger, Bihar, India.

Swami Satyananda Saraswati: *Asana, Pranayama, Mudra, Bandha*, Bihar Yoga

Name of the Course: Practical Biomechanics and Kinesiology

Course Code: MS-CP107

Course Objectives:

Following the completion of the course, students shall be able to:

1. Describe the principle of biomechanics and its importance during the practice of Yoga.
2. Guide the practitioners based on the alignment principles.
3. Demonstrate yogic practice having biomechanics principles in mind.

Course Outcomes:

After the study of this course, a learner will enable to

1. Apply principle and skills of biomechanics and kinesiology to explain anatomical effects of somatic and energetic yoga practices.
2. Optimize somatic manipulation, alignment and range of motion in postural and breath regulatory practices.
3. Locate center of gravity rigid bodies and assess angular kinematics

Mapping of COs to POs

CO	PO1	PO2	PO3
CO1	√		
CO2		√	√
CO3		√	

Course Content

Units	Title	COs Addressed
1	Locating muscles	CO1
2	Locating center of gravity of rigid bodies and assessment of angular kinematics of one Plane movements.	CO3
3	Conversion of angular kinematics and Draw stick figures from the photograph of yoga Movements.	CO1, CO2, CO3
4	Demonstration of yogic practices under the supervision of the teaching faculty.	CO2

Assessment Plan

Total Number of Hrs: 60	Theory	Tutorial	Practical
Credits	3	1	0
Hrs/ week	3	1	0
SCHEME OF EXAMINATION			
Total Marks: 100			
Theory : 100		Practical :	
Final Exam (SEE)	Internal Assessment (CT+TA)	Final Exam (SEE)	Internal Assessment (CT+TA/PR)
70	30		

UNIT 1:

Locating muscles with the help of model/chart and calculation of displacement, speed and velocity, acceleration.

UNIT 2:

Locating center of gravity of rigid bodies and assessment of angular kinematics of one Plane movements.

UNIT 3:

Conversion of angular kinematics and Draw stick figures from the photograph of yoga Movements.

UNIT 4:

Demonstration of yogic practices under the supervision of the teaching faculty.

TEXT BOOK:

Bruce Bowaditch: *The Yoga Technique Guide - Principles of Alignment and Sequencing*, Third Eye Press, 2015

REFERENCE BOOKS:

J E Herzenberg. *Principles of deformity correction*, Springer publication

Semester-II

Name of the Course: Application of Yoga in Bhagavadgitha and Yoga Vasistha

Course Code: MS-CT201

Course Objectives:

Following the completion of the course, students shall be able to:

1. To give comprehensive knowledge about therapeutic basis of yoga as mentioned in ancient classical texts such as Bhagavad Gita and Yoga Vasistha

Course Outcomes: After study this course, a learner will enable to

1. Outline Yogic etiopathogenesis and management of stress from the perspective of Srimadbhagwadgeeta.
2. Interpret yogic perspective of human personality and its development process and practices.
3. Apply yogic principles and practices of SMG for maximizing performance of sports personnel.
4. Use yogic principle and practice covered in Yoga Vasistha for managing stress and personality development.

Mapping of COs to POs

CO	PO1	PO2	PO3
CO1	✓		
CO2		✓	✓
CO3		✓	✓
CO4		✓	✓

Course Content

Units	Title	COs Addressed
1	Application of Bhagavad Gita – 1	CO1, CO2, CO3, CO4
2	Application of Bhagavad Gita – 2	CO1, CO2, CO3, CO4
3	Application of Yoga Vasistha - 1	CO1, CO2, CO3, CO4
4	Application of Yoga Vasistha - 2	CO1, CO2, CO3, CO4

Assessment Plan

Total Number of Hrs: 60		Theory	Tutorial	Practical
Credits		3	1	0
Hrs/ week		3	1	0
SCHEME OF EXAMINATION				
Total Marks: 100				
Theory : 100		Practical :		
Final Exam (SEE)	Internal Assessment (CT+TA)	Final Exam (SEE)	Internal Assessment (CT+TA/PR)	
70	30			

Mapping Assessment with COs

S.No.	Assessment type	CO1	CO2	CO3	CO4
1	Internal Examination	√	√		
2	Semester End Examination	√	√	√	√

UNIT 1: Application of Bhagavad Gita – 1

a. Applications in stressmanagement

Essence of Gita and its background; Three division of faiths, thoughts and deed and eating habits corresponding to three modes – Faith, thoughts and good deeds positively correlated with stress management; The Tamas and Rajas modes as the cause of stress; Adaptation of qualities of stitha prajna; Four rules of Karma Yoga- Regulated with sense of duty; Detached; Without love or hatred; detachment to the results of action; Work efficiency – Concept of Devotion – surrender to the supreme; Nature of Devotion and the Goal of Devotion; Concept of Shraddha (perseverance) and its relevance;

b. Applications in Personalitydevelopment

Concept of Triguna in the context of Bhagavadgita; Satva, Rajas and Tamas; Give up demonic traits such as anger, greed, lust and craving for sense objects and selfish flavor of happiness; Psycho analysis model in verses 2.62 and 2.63; Cause of destruction as craving for sense objects; Raise above cognition and emotions; Mode of goodness – sense of happiness and knowledge; Theory of Samatvam in healthy living as described in Bhagavadgita; Nature of Dhyana, Preparation of Dhyana and Dhyana Yoga etc; Remedial Measures of Abhyasa and Vairagya.

UNIT 2: Applications of Bhagavad Gita - 2

c. Applications for Sportspersonnel

Nature of action, inaction & ego-less action; Performance without attaching to the fruits of action; Maintaining the inner equipoise with knowledge and understanding with adapting qualities like humility, tolerance, non- violence, cleanliness, self-control; absence of false and even mindedness; Four rules of Karma Yoga- Regulated with Duty sense; Detached; Without love or hatred; not attached to the fruits of action; Concept of Faith; Psycho analysis model described in Bhagavadgitha to keep under senses under control and to be in moderation; Moderation in sleep, entertainment and food being the key to be in equanimity; Dhyana Yoga together with devotion as described in Bhagavadgita and Nature of Dhyana in Bhagavadgita and its relevance.

UNIT 3: Application of Yoga Vasistha - 1

a. Applications in stressManagement:

Concept of Mind: World is the projection of Mind; ManAh PrashamanaH upAyaH
YogaH: Understanding of the Concept of Adhi and Vyadhi; Stress as the key for
Psychosomatic disease; Life style prescription as suggested in Yoga vasistha – Restrain
from Eating of unwholesome food; Living in unhealthy places; Doing things at
unseasonable hours; Association with the wicked; Longing after improper things; Evil
desires and bad thoughts; Control of breathing: the story of Kakabhushanda;

UNIT 4: Applications of Yoga Vasistha – 2

b. Applications in Personalitydevelopment:

Good Association; Self Enquiry; Development of Satwaguna (Good virtues); Mind control
through abhyasa (practice) and vairagya (dispassion). Self-discipline and self-control, by
withdrawing our senses from the sense objects; overcoming desires through
detachments from the sense objects, living in solitude, free from possessiveness and by
fixing our minds constantly on the Self. Handling the mind and emotions-enhancing the
power of discrimination.

TEXT BOOKS:

Ramdev, S. (2012). *Srimadbhagvad Gita*. Haridwar, India: Divya Prakashan.

Holy Geeta : Swami Chinmayananda, Central Chinmayananda Mission Trust, 1992, Mumbai.

Simpkins, A. M., & Simpkins, C. A. (2011). *Meditation and Yoga in Psychotherapy:
Techniques for Clinical Practice* (2011th ed.). Hoboken, New Jersey: John Wiley &
Sons, Inc.

Vaalmeeki : Essence of Yoga Vasistha, Lotus Press, 1998

REFERENCE BOOKS:

Bhawuk, D. P. S. (2011). *Spirituality and Indian Psychology: Lessons from the Bhagavad-
Gita*. New York, NY: Springer. doi:10.1007/978-1-4419-8110-3

Davis, R. H. (2015). *The Bhagavad Gita*. New Jersey: Princeton University Press.
doi:10.2307/40085138

Easwaran, E. (2011). *Essence of the Bhagavad Gita: A Contemporary Guide to Yoga,
Meditation & Indian Philosophy*. Tomales, CA: Nilgri Press.

Sivananda, S. (2000). *Bhagavad Gita*. Rishikesh, India: The Divine Life Society.
<http://www.sivanandadlshq.org/>

Swami Ranganathananda: Message of Upanishads, Bharatiya Vidya Bhavan, Bombay, 1985

Swami Venkatesananda: Vasistha's Yoga, State University of New York Press, Albany, 1993

Name of the Course: Physiological Effect of Yoga Practices

Course Code: MS-CT202

Course Objectives:

Following the completion of the course, students shall be able to:

1. Discuss biological changes following the practice of yoga
2. Investigate underlying mechanism behind the possible benefits as a result of yogic practices
3. Explain idea of muscles and nerve fibers stretched and compressed, toned up during various yogic posture.
4. Outline physiological benefits of Pranayama; Neuro Psychological locks in Mudras; Neuro Muscular locks in Bandhas.

Course Outcomes:

Teaching learning activities related to this course will enable learner to

1. State determinants of physiological and psychological homeostasis.
2. Explain biological effects of yoga poses, pranayama, bandhas and mudras.
3. Recognize indications, precautions and contra-indications of specific yoga poses, pranayama, bandhas and mudras.

Mapping of COs to POs

CO	PO1	PO2	PO3
CO1	✓		
CO2		✓	
CO3		✓	✓

Course Content

Units	Title	COs Addressed
1	The concept of Homeostasis	CO1, CO2, CO3
2	Pranayama	CO1, CO2, CO3
3	Kriyas	CO1, CO2, CO3
4	Mudras Bandhas	CO1, CO2, CO3

Assessment Plan

Total Number of Hrs: 60		Theory	Tutorial	Practical
Credits		3	1	0
Hrs/ week		3	1	0
SCHEME OF EXAMINATION				
Total Marks: 100				
Theory : 100		Practical :		
Final Exam (SEE)	Internal Assessment (CT+TA)	Final Exam (SEE)	Internal Assessment (CT+TA/PR)	
70	30			

Mapping Assessment with COs

S.No.	Assessment type	CO1	CO2	CO3
1	Internal Examination	√	√	
2	Semester End Examination	√	√	√

UNIT 1: The concept of Homeostasis [15 Hrs.]

Regulatory systems of the body, Characteristics of control systems, Physiological basis of mind-body medicine; Physiology of exercise, Asana-Types and Categories; Musculoskeletal system and Humoral mechanism involved; Effect of Yogic practices in setting up the internal environment of the body, Mechanical influence of asanas; Psychosomatic mechanism; Mechanism of influence of six types of asanas: stretching; pivoting; strengthening; inverted; pressing; equilibration, Reciprocal inhibition and innervation

UNIT 2: Pranayama [15 Hrs.]

Mechanism of respiration and mechanism of gas exchange, Regulation of respiration; Psychophysiological effect of pranayama: changing of ratio of oxygen and carbonic acid in our body; Enabling different groups of muscles in breathing; Pranayama as respiratory pump; Reflex impact over sympathetic and parasympathetic nervous system; Role of Pranayama on Vital capacity, Lung Volume and Lung function. Role of Pranayama and other yoga practices on compliance, Ventilation-perfusion ratio, alveolar ventilation, deadspace volume and minute ventilation. Neurophysiological mechanism of Kevala, Antar and Bahir kumbhaka

UNIT 3: Kriyas [15 Hrs.]

An overview of diffusion osmosis, endo & exosmosis, active transport; significance of using salt during the practice of Kriya; Tonicity of the solution such as hypotonic, hyper tonic and isotonic solution and the impact of the same on physiology; peristalsis and mechanism of action, Effect of Kriyas in encouraging the peristalsis; Opening and closing of sphincter; Role of Kriyas in smooth operation of sphincter; Mechanism of action of Kriya practices in the activation of vagus nerve, effect of Kriya on gastric mucosa and digestive system; Development of negative pressure and the impact of sustenance of the negative pressure in body physiology.

UNIT 4: Mudras Bandhas [15 Hrs.]

Co activation of two antagonistic muscles; activation of nerve reflexes; Proprioceptive neuromuscular facilitation; Effect of Bandhas on joint complexes; Central bandhas and co activation of opposing muscles in spinal joint complexes; Jalandhara bandha effects neck joint complexes; Uddiyan bandha effects upper joint complexes; and Moola bandha for lower back joint complexes; Isometric muscle activation and Bandhas; Synergistic muscle activation during Bandha practices; Navadvara and their significance in yoga; Principles behind the practice of Mudras; Resting membrane potential; action potential and transmission of nerve impulse; significance of Neuro psychological lock and its impulse in body physiology; secretion of neurotransmitter in the brain; Role of mudra is physiological functions of the body, regulating of the secretion in body

TEXT BOOKS:

Anatomy of Hatha Yoga: A Manual for Students, Teachers, and Practitioners; Book by Herbert David Coulter; Publisher Body and Breath, 2001

Robin, Mel. (2002). *A physiological handbook for teachers of yogasana*. Arizona: Fenestra

Robin, Mel. (2009). *A Handbook for Yogasana Teachers*. Arizona:

Wheatmark@Balkrishna, A. (2007). *Yoga in synergy with medical science*. Haridwar, India: Divya

Prakashan Books™

Balkrishna, A. (2017). *Yoga Vigyanam*. Haridwar, India: Divya Prakashan.

Patanjali Research Foundation. (2015). *Research Publications*. Haridwar, India: DivyaPrakashan

Ramdev, S. (2006). *Yoga Sadhana and Yoga Chikitsa Rahasya*. Haridwar, India: DivyaPrakashan.

Ramdev, S. (2009). *Pranayam Rahasya*. Haridwar, India: Divya Prakashan.

REFERENCE BOOKS:

Clinical Anatomy: *A Revision and Applied Anatomy for Clinical*. Students, Harold Ellis, Blackwell Publishing, 2006

Coulter, H. D. (2006). *Anatomy of Hatha Yoga*. Delhi, India: Motilal Banarasidas

Essentials of Pathophysiology: *Concepts of Altered Health States* Carol Mattson Porth, Lippincott Williams & Wilkins, 2006

Frawley, D. & Kozak, S. S. (2006). *Yoga for your type*. New Delhi, India: New Age Books.

Gore, M.M. (2004). *Anatomy and physiology of yogic practices*. Lonavala, India: Kanchan Prakashan.

Malshe, P. C. (2012). *A Medical Understanding of Yoga* (2nd ed.). Haridwar, India: Antar Prakash Centre for Yoga.

McCall, T. (2007). *Yoga as Medicine: The Yogic Prescription for Health and Healing*. New York, NY: Bantam Dell.

Selvarasu, K. V. (2003). *Kriya Cleansing in yoga*. Tamil Nadu, India: Yoga Bharati

Simon Borg Olivier and Bianca Machiss; *Applied Anatomy and Physiology of Yoga*; 3rd edition, 2007.

Udupa, K. N. (2007). *Stress and its management by yoga*. Delhi, India: Motilal Banarasidas

Name of the Course: Yoga, dietetics and Nutrition

Course Code: MS-CT203

Course Objectives:

Following the completion of this course, students shall be able to

1. Understand the concept of diet and the medical value of nutrition
2. Advise appropriate diet to different age groups
3. Benefits and caloric value of various food groups

Course Outcomes: Teaching learning activities related to this course will enable learner to

1. Explain food ingredients and their nutritional and remedial values.
2. Identify vegetarian and non-vegetarian sources of food ingredients of balanced diet.
3. Prescribe quality, quantity, frequency, timing and duration of diet and dietary habit that suits yogic lifestyle.

Mapping of COs to POs

CO	PO1	PO2	PO3
CO1		√	
CO2	√	√	√
CO3	√	√	√

Course Content

Units	Title	COs Addressed
1	Basic Concepts and Components of Food and Nutrition	CO1
2	Food groups	CO1, CO2
3	Food and metabolism	CO1, CO2, CO3
4	Yogic Concept of Diet & Nutrition	CO1, CO2, CO3

Assessment Plan

Total Number of Hrs: 60		Theory	Tutorial	Practical
Credits		3	1	0
Hrs/ week		3	1	0
SCHEME OF EXAMINATION				
Total Marks: 100				
Theory : 100		Practical :		
Final Exam (SEE)	Internal Assessment (CT+TA)	Final Exam (SEE)	Internal Assessment (CT+TA/PR)	
70	30			

Mapping Assessment with COs

S.No.	Assessment type	CO1	CO2	CO3
1	Internal Examination	√	√	
2	Semester End Examination	√	√	√

UNIT 1: Basic Concepts and Components of Food and Nutrition [15 Hrs.]

Understanding Nutrition, Basic Terminology in Relation to Nutrition Requirement, Human Nutritional Requirements; Concept of food, Acceptance of Food, Functions of Food; Components of Food & their Classification; Macro Nutrients –Sources, Functions and Effects on the Body; Micro Nutrients - Sources, Functions and Effects on the Body; Fat Soluble Nutrients - Sources, Functions and Effects on the Body; Water soluble Nutrients - Sources, Functions and Effects on the Body

UNIT 2: Food groups [15 Hrs.]

Cereals & Millets –Selection, Preparation and Nutritive Value; Pulses, Nuts and Oil Seeds- Selection,PreparationandNutritiveValue;MilkandMilkProducts-Selection,Preparationand Nutritive Value; Vegetables and Fruits- Selection, Preparation and Nutritive Value, Fats, Oils and Sugar, Jaggery- Selection, Preparation and NutritiveValue

UNIT 3: Food and metabolism [15 Hrs.]

Energy- Basic Concepts, Definition and Components of Energy Requirement, Energy ImbalanceConceptofMetabolism,Anabolism,Catabolism,CalorieRequirement-BMR,SDA, PhysicalActivity;MetabolismofCarbohydrates,LipidsandProtein;FactorsAffectingEnergy; Requirement and Expenditure, Factors affecting BMR, Factors affecting thermal effect of Food, Factors affecting energy expenditure in physical activity; Methods of Estimation of Energy Expenditure and Requirements; Direct Calorimetry, Indirect Calorimetry, Double Labelled Water Technique, Heart Rate Monitoring Method, Factorial Estimation of Total EnergyExpenditure

UNIT 4: Yogic Concept of Diet & Nutrition [15 Hrs.]

General Introduction of Ahara (Diet), concept of Mitahara; Definition and Classification in Yogic diet according to traditional Yoga texts; Concepts of Diet according to Gheranda Samhita,HathaPradeepikaandBhagavadgeeta-Rajasic,TamasicandSattvicfood;Pathyaand Apathya indietaccordingtoYogictexts;GunaandAhara;ImportanceofYogicDietin

Yog Sadhana; Yogic Diet and its role in healthy living; Diet according to the body constitution
(Prakriti) – Vata, Pitta and Kapha. Ahar Yogi Drvaya, Swabhatha Hitkar and Ahitkar Dravya.

TEXT BOOK:

Balkrishna, A. (2013). *Bhojan Katuhlam*. Haridwar, India: Divya Prakashan

Books™

Balkrishna, A. (2013). *Sushain Nighantu*. Haridwar, India: Divya Prakashan

Books™

Balkrishna, A. (2013). *Ajirnaamrit Manjari*. Haridwar, India: Divya Prakashan

Books™

Balkrishna, A. (2014). *Siddhasar Samhita*. Haridwar, India: Divya Prakashan

Books™

Balkrishna, A. (2017). *Yoga Vigyanam*. Haridwar, India: Divya Prakashan.

Ramesh Bijlani : Eating Wisely and Well, Rupa Publication India Pvt. Ltd, 2012

Sharma, P. . (2007). *Caraka Samhita Vol I. Chaukhambha Sanskrit Pratishthan*. Varanasi, India: Chaukhambha Orientalia.

Sharma, P. V. (1998). *Caraka Samhita Vol II* (4th ed.). Varanasi, India: Chaukhambha Orientalia.

REFERENCE BOOKS:

Amr, M., El-Mogy, A., Shams, T., Vieira, K., & Lakhan, S. E. (2014). *Clinical Nutrition Clinical: The Interface Between Metabolism, Diet, and Disease*. In L. Coles (Ed.), . Oakville, ON: Apple Academic Press.

Bendich, A., & Fasn, F. (2016). *Mediterranean Diet: Dietary Guidelines and Impact on Health and Disease*. (D. F. Romagnolo & O. I. Editors, Eds.). Tucson, AZ: Humana Press.

Debruyne, L. K., Pinna, K., & Whitney, E. (2016). *Nutrition & Diet Therapy* (9th ed.). Boston, MA: CENGAGE Learning.

Dennis Thompson: *The Ayurvedic Diet*, New age books, New Delhi, 2001

Goldberg, G., British Nutrition Foundation., & Wiley InterScience (Online service). (2003). *Plants : diet and health : the report of a British Nutrition Foundation Task Force*. https://books.google.com/books?id=FYKT8ApFnj0C&dq=kumquat+antioxidant+radiation&lr=&source=gbs_navlinks_s

Lutz, C. A., Mazur, E. E., & Litch, N. A. (2015). *Nutrition and Diet Therapy* (6th ed.). Philadelphia, PA: F. A. Davis Company.

Mailer, G. A., & Hale, N. E. (2018). *Decolonizing the Diet Nutrition, Immunity and the Warning from Early America*. London, UK: Anthem Press.

Randolph Stone : *A Purifying Diet*, Lilawati Bhargav Charitable Trust, Delhi, Revised Edition
Schlenker, E. D., & Gilbert, J. (2015). *Williams' Essentials of Nutrition and Diet Therapy* (11th ed.). St. Louis, Missouri: Elsevier, Mosby.

Stanfield, P. S., & Hui, Y. H. (2010). *Nutrition and Diet therapy: Self-Instructional Approaches*. Sudbury, MA: Jones and Bartlett Publishers.
doi:10.1017/CBO9781107415324.004

Stanley Davidson & others: *Human Nutrition & Dietetics*, The English Language Book Society & Churchill Livings, Revised Edition

World Health Organisation/ World Economic Forum. (2008). Preventing Noncommunicable Diseases in the Workplace through Diet and Physical Activity WHO/World Economic Forum Report of a Joint Event. *World Health Organisation/ World Economic Forum*, 52. doi:ISBN 978 92 4 159632 9

Name of the Course: Applied Psychology and Yogic Counselling

Course Code: MS-CT204

Course Objectives:

1. To discuss behavior and disease process through various models of health psychology.
2. To outline causes of pathological behavior and psych-diagnostic assessment.
3. To develop skill for diagnosis and classification of mental disorders.

Course Outcomes: Study of this course will enable learners to

1. Explain models abnormality
2. Record mental case history and conduct mental status examination.
3. Prescribe yoga protocol for mental disorders
4. Conduct yogic counselling for prevention and mitigation of mental disorders.

Mapping of COs to POs

CO	PO1	PO2	PO3
CO1	✓		
CO2		✓	✓
CO3		✓	
CO4	✓	✓	✓

Course Content

Units	Title	COs Addressed
1	Introduction to Models of Psychopathology	CO1
2	Case History Taking and Mental Status Examination.	CO3
3	Mental Disorders of Children and Their Treatment	CO1, CO3
4	Yogic Counselling	CO1, CO2, CO3

Assessment Plan

Total Number of Hrs: 60		Theory	Tutorial	Practical
Credits		3	1	0
Hrs/ week		3	1	0
SCHEME OF EXAMINATION				
Total Marks: 100				
Theory : 100		Practical :		
Final Exam (SEE)	Internal Assessment (CT+TA)	Final Exam (SEE)	Internal Assessment (CT+TA/PR)	
70	30			

Mapping Assessment with COs

S.No.	Assessment type	CO1	CO2	CO3	CO4
1	Internal Examination	✓	✓		
2	Semester End Examination	✓	✓	✓	✓

UNIT 1: Introduction to Models of Psychopathology [15 Hrs.]

Psychoanalytic, behavioural, cognitive and biological models; Sociobiology of health and disease; Diagnostic classification of mental and behavioural disorders

UNIT 2: Case History Taking and Mental Status Examination [15 Hrs.]

Disorders of attention, perception, thought movement, Psychodiagnosis of major Mental Disorders of the Adults and their treatment: Stress and Anxiety Disorders, and Schizophrenia, Affective Disorders, Psychosomatic Disorders, Personality Disorders and Substance abuse.

UNIT 3: Mental Disorders of Children and Their Treatment [15 Hrs.]

Mental Retardation, Learning Disability, Attention Deficit Disorders and Hyperactivity, Autism, Fears and Phobias, Conduct disorders

UNIT 4: Yogic Counselling [15 Hrs.]

Introduction to counselling, nature approaches and challenges; Approach to counselling- Attitude change towards yoga through individualized counseling, Psychological & yogic method Tackling ill effects of conflict and Frustration; Yogic methods Yoga Psychology for Adjustment: Psychological, philosophical and yogic counseling; the remedial measures; Action in relaxation- the secret of Karma Yoga; Psycho-physiological effects and health benefits of Pranayama, Shatkarma; Bandha and Mudra ; Psycho-physiological effects and health benefits of Meditation

TEXT BOOKS:

Saraswati, S. A. (1983). *Manovigyan and Shiva Samklapa*. Rohatak, India:

HaryanaAryasamj Sahitya Prakshan.

Hersen, M., Kazdin, A. E., & Bellack, A. S. (1991) *The Clinical Psychology Handbook* Pergamon. New York

REFERENCE BOOKS:

- Baxter, R., Hastings, N., Law, A., & Glass, E. J. . (2008). *Handbook of Integrative Clinical Psychology, Psychiatry, and Behavioral Medicine. Animal Genetics* (Vol. 39). New York: Springer Publishing Company.
- Cortright, B. (2007). *Integral psychology : yoga, growth, and opening the heart. SUNY series in transpersonal and humanistic psychology*.
<http://www.loc.gov/catdir/toc/ecip0614/2006016538.html%0Afile:///E:/Book/2007 - Cortright - Integral psychology yoga, growth, and opening the heart.pdf>
- Gothe, N. P., Keswani, R. K., & McAuley, E. (2016). Yoga practice improves executive function by attenuating stress levels. *Biological Psychology*, *121*, 109–116.
doi:10.1016/j.biopsycho.2016.10.010
- Jung, C. G. (1999). *The Psychology of Kundalini Yoga: Notes of the Seminar Given in 1932*. New Jersey, NJ: Princeton University Press.
- Jung, C. G. (2008). *C. G. Jung Psychology and the Occult*. Abingdon, Oxon: Routledge.
- Levine, M. (2008). *The positive psychology of Buddhism and yoga: Paths to a mature happiness, with a special application to handling anger. The positive psychology of Buddhism and yoga: Paths to a mature happiness, with a special application to handling anger (2nd ed.)*. Mahwah, NJ: Lawrence Erlbaum Associates, Inc., Publishers.
[http://ovidsp.ovid.com/ovidweb.cgi?T=JS&PAGE=reference&D=psyc6&NEWS=N&AN=2009-16120-000%5Cn\(null\)](http://ovidsp.ovid.com/ovidweb.cgi?T=JS&PAGE=reference&D=psyc6&NEWS=N&AN=2009-16120-000%5Cn(null))
- Petzold, M. (1989). The heritage of India: Yoga psychology in East and West. *Psychologia: An International Journal of Psychology in the Orient*, *32*(4), 275–280.
<http://search.ebscohost.com/login.aspx?direct=true&db=psyh&AN=1990-22309-001&site=ehost-live&scope=site>
- Rao, K. R. (2017). *Foundations of yoga psychology. Foundations of Yoga Psychology*. Singapore: Springer. doi:10.1007/978-981-10-5409-9
- Saraswati, S. N. (2001). Yoga and personality. *Journal of Projective Psychology & Mental Health*, *8*(1), 19–22.
<http://search.ebscohost.com/login.aspx?direct=true&db=psyh&AN=2001-14896-002&site=ehost-live&scope=site>
- Sweet, J. J. , Rozensky, A. & Tovian, S. M. (1991) *Handbook of Clinical Psychology in Clinical Practice*. New York: Plenum.
- Walker, C. E. (2001) *Handbook of Child Clinical Psychology*. New York: John Wiley & Sons.

Name of the Course: Research Methodology and Statistics

Course Code: MS-CT205

Course Objectives:

Following the completion of the course students will:

1. Recognize theoretical concepts of conducting scientific research apply them to pursue higher research.
2. Use Research methodology and knowledge of various statistical procedures
3. Identify and operate research tools/software to conduct research on contemporary issues/needs.

Course Outcomes:

Study of this course will enable learners to

1. Recognize qualitative and quantitative research process and ethics and its regulatory system/mechanism.
2. Design and carry out mini research projects.
3. Analyze and interpret data by using software.
4. Draft dissertation and research paper.

Mapping of COs to POs

CO	PO1	PO2	PO3
CO1	✓		
CO2		✓	✓
CO3		✓	
CO4	✓	✓	✓

Course Content

Units	Title	COs Addressed
1	Research Methodology Concepts -I	CO1, CO2
2	Research Methodology Concepts - I I	CO1, CO2, CO3, CO4
3	Statistical Concepts - I	CO1, CO2
4	Statistical Concepts - I I	CO1, CO2, CO3

Assessment Plan

Total Number of Hrs: 60		Theory	Tutorial	Practical
Credits		3	1	0
Hrs/ week		3	1	0
SCHEME OF EXAMINATION				
Total Marks: 100				
Theory : 100		Practical :		
Final Exam (SEE)	Internal Assessment (CT+TA)	Final Exam (SEE)	Internal Assessment (CT+TA/PR)	
70	30			

Mapping Assessment with COs

S.No.	Assessment type	CO1	CO2	CO3	CO4
1	Internal Examination	√	√		
2	Semester End Examination	√	√	√	√

UNIT 1: Research Methodology Concepts -I [15Hrs]

Introduction to research methodology – definition of research, types of research, need for Yoga research; the research process; Literature review – Purpose, Process, digital sources: PubMed, Springer, Wiley, Cochrane; Presentation of Literature Review; Ethics of research – Laboratory ethics, Publication ethics, Ethical bodies, IEC, IRB and guidelines for good clinical practice. Scales of measurement – nominal, ordinal, interval, ratio; Data collection methods: Observation, Interview, psychological tests, questionnaire, physiological tests, and archives.

UNIT 2: Research Methodology Concepts –II [15Hrs]

Sampling methods- Population and Sample; Simple Random Sampling; Systematic Sampling, Stratified Sampling, Cluster Sampling; ii. Methods of controlling biases Randomization, Matching, Crossover design, Restriction (or blocking); Stratification, converting into factorial design, ANOCVA; Types of variables – Independent, dependent, confounding variable; Types of research design – Experimental designs, cross sectional design; Case study, Survey; Reliability: Test- Retest Reliability, Internal Consistency, Inter rater Reliability; Validity: Construct Validity, Face Validity, Content Validity, Criterion; Validity, Convergent and Discriminant Validity; Issues of bias and confounding; Selection bias, Recall bias, Observer or measurement bias, Publication bias.

UNIT 3: Statistical Concepts - I [15Hrs]

Descriptive statistics, Inferential statistics, Hypothesis, null hypothesis, Statistic and Parameter, Sample and Population, Generalization, One tailed, two tailed hypothesis, Types of Errors and its control, Central Limit Theorem.

UNIT 4: Statistical Concepts - II [15Hrs]

Point estimate and interval estimate, Power analysis: Effect size, sample size, p-value, Confidence interval; Statistical tests and design, Assumptions of tests, Statistical tests for Various designs: Correlation, proportions, paired sample, and independent sample t-tests, Chi-Square tests, ANOVA, Repeated Measures ANOVA, parametric and non-parametric Tests.

TEXT BOOK:

R. L. Bijlani. (2008). *Medical Research: All You Wanted to Know But Did Not Know Who to Ask*. Jaypee Brothers Medical Publishers Pvt. Ltd. New Delhi

REFERENCE BOOKS:

- Breakwell, G.M., Hammon, S., Fife-Shaw, C., & Smith, J. (2006). *Research methods in psychology (3rd ed.)*. London: Sage.
- Bryman, A. (2008). *Social Research Method (3rd ed.)*. Oxford: Oxford University Press.
- Garrett, H.E. (1993). *Shiksha evam manovigyan mein sankhyiki*. New Delhi, India: Kalyani Publishers.
- Garrett, H.E. (1988). *Statistics in Psychology and Education*. Bombay, India: Vikils, Feiffer & Semen's Ltd..
- Guilford, J. P. & Fruchter, B. (1988). *Fundamental Statistics in Psychology and Education*. New Delhi, India: McGraw Hill. Unit-I
- Guilford, J. P., & Fruchter, B. (1973). *Fundamentals of statistics in psychology and education*. Tokyo, Japan: Kogakusha.
- Gupta, S. P. (2004). *Statistical Methods (33rd ed.)*. New Delhi, India: Sultan Chand & Sons.
- Haslam, S. A., & McGarty, C. (2003). *Research methods and statistics in psychology*. London: Sage.
- Kapil, H. K. (1980). *Sankhyiki ke mool tatwa*. Agra, India: Vinod Pustak Mandir.
- Kerlinger, F.N. (1978). *Foundation of Behaviour Research*. Delhi, India: Surjeet Publications.
- Kothari, C. R. (2011). *Research Methodology: Methods and Techniques (2nd ed.)*. New Delhi, India: New Age International Private Limited Publishers.
- Kumar, R. (2011). *Research Methodology (2nd ed.)*. Noida, India: Dorling Kindersley Pvt. Ltd, licenses of Pearson Education in South Asia.
- Lloyd, D. F. & Gerald, V. B. (1993) : *Biostatistics: A Methodology for the Health Science*. John Wiley & sons. Inc. Longman.
- Maylor, H. & Blackmon, K. (2005). *Researching Business and Management*. New York, NY: Palgrave Macmillan.
- Minium, E. W., King, B. M., & Bear, G. (1993). *Statistical reasoning in psychology and education (3rd ed.)*. New York: John Willey.
- Mohsin, S.M. (1981). *Research Methods in Behavioral Sciences*. Calcutta, India: Orient

- Ruxton, G. D. and Colegrave, N. (2003). *Experimental Design for Life Science*. Oxford: Oxford University Press.
- Singh, A. K. (1986). *Test, Measurement and Research Methods in Behavioural Sciences*. New Delhi, India: Mc Graw Hill.
- Singh, A. K. (2001). *Research Methods in Psychology, Sociology and Education (4th ed.)*. Delhi, India: Motilal Banarasidas.
- Singh, A. K. (2004). *Monovigyan, samajshastra तथा shiksha mein shodh vidhiyan*.
- Singh, A. K. (2006). *Tests, measurements and research methods in behavioural sciences*. Patna, India: Bharti Bhavan.
- Suleman, M. (2005). *Methods in Psychology, Sociology and Education (3rd ed.)*. Patna, India: General Book Agency.
- Suleman, M. (1997). *Sankhyiki ke mool tatwa*. Patna: Shukla Book Depot. Varanasi, India: Motilal Banarasi Das.
- Wayne, W. D. (2006). *Biostatistics: A Foundation for Analysis in the Health Sciences (7th ed.)*. New York, NY: John Wiley & sons. Inc
- Zar, Z. H. (2011). *Biostatistical Analysis (4th ed.)*. Noida, India: Dorling Kindersley Pvt. Ltd, licenses of Pearson Education in South Asia.

Name of the Course: Yoga Practicum (Contemporary Yoga Techniques)

Course Code: MS-CP206

Course Objectives:

Following the completion of the course students will:

1. Explain principles, concept and the procedure of Various contemporary techniques.
2. Identify commonalities across the various contemporary Yoga techniques.
3. Explain and teach the techniques with confidence.

Course Outcomes:

This course will enable learners to

1. Bear skills and application aptitude regarding poses, major Pranayams, Dharna and Dhyana.
2. Apply somatic energetic and psychic practices for purification of body, breath and mind.

Mapping of COs to POs

CO	PO1	PO2	PO3
CO1	✓	✓	✓
CO2		✓	✓

Course Content

Units	Title	COs Addressed
1	Healing at the Physical Level	CO1, CO2
2	Healing at the Prana Level	CO1, CO2
3	Healing at the Mental level	CO1, CO2
4	Healing at the Conscious level	CO1, CO2

Assessment Plan

Total Number of Hrs: 120		Theory	Tutorial	Practical
Credits				4
Hrs/ week				8
SCHEME OF EXAMINATION				
Total Marks: 100				
Theory : 100		Practical :		
Final Exam (SEE)	Internal Assessment (CT+TA)	Final Exam (SEE)	Internal Assessment (CT+TA/PR)	
		70	30	

UNIT 1: Healing at the Physical Level [15 Hrs.]

1. Pranav Meditation (SwamiRamdev)
2. Mindfulness based Stress Reduction Technique(Kabatzin)

UNIT 2: Healing at the Prana Level [15 Hrs]

3. VipasanaMeditation
4. PrekshaMeditation

UNIT 3: Healing at the Mental level [20Hrs]

5. Mind Sound Resonance Technique(S-VYASA)
6. Raja Yoga Meditation(Brahmakumaris)
7. Transcendental Meditation (Mahesh Yogi)
8. ZEN BuddhistMeditation

UNIT 4: Healing at the Conscious level [10 Hrs]

9. Yoga Nidra(BSY)

TEXT BOOKS:

Patanjali Research Foundation. (2015). *Research Publications*. Haridwar, India: DivyaPrakashan

Ramdev, S. (2006). *Yoga Sadhana and Yoga Chikitsa Rahasya*. Haridwar, India: DivyaPrakashan.

Ramdev, S. (2009). *Pranayam Rahasya*. Haridwar, India: Divya Prakashan.

Balkrishna, A. (2007). *Yoga in synergy with medical science*. Haridwar, India: DivyaPrakashan Books™

Balkrishna, A. (2017). *Yoga Vigyanam*. Haridwar, India: Divya Prakashan.

H R Nagendra: *New perspective of stress management*; Swami Vivekananda Yoga Prakashan, Bangalore, 1999

REFERENCE BOOKS:

Niranjanananda Saraswati: Yoga Nidra; Bihar school of yoga publication, Munger, 2000

H R Nagendra: *Mind sound relaxation resonance technique*; Swami Vivekananda Yoga Prakashan, Bangalore, 1999

Name of the Course: Applied Psychology and Counselling

Course Code: MS-CP207

Course Objectives:

Following the completion of the course students will:

1. Take the case history for the diagnosis of psychological diseases.
2. Demonstrate the skills of counseling with yogic approach.
3. Develop communication skills needed to be an efficient counselor.

Course Outcomes:

Teaching-learning activities of this course will enable learners to

1. Record mental case history for the diagnosis of psychiatric/psychological disorders.
2. Demonstrate and apply counselling skills.
3. Explain counselling from psychological and yogic perspectives.

Mapping of COs to POs

CO	PO1	PO2	PO3
CO1	✓	✓	✓
CO2		✓	✓
CO3	✓	✓	✓

Course Content

Units	Title	COs Addressed
1	Case History	CO1
2	Audio Visual	CO1, CO2
3	Conventional Counseling	CO1, CO2, CO3
4	Yogic Counselling	CO3

Assessment Plan

Total Number of Hrs: 60		Theory	Tutorial	Practical
Credits				2
Hrs/ week				4
SCHEME OF EXAMINATION				
Total Marks: 100				
Theory : 100		Practical :		
Final Exam (SEE)	Internal Assessment (CT+TA)	Final Exam (SEE)	Internal Assessment (CT+TA/PR)	
		35	15	

UNIT 1: Case History [15 Hrs.]

Taking case history of various category of various diseases such as amnesia, bipolar, OCD, schizophrenia, anxiety neurosis (5 cases)

Discussion and interpretation

UNIT 2: Audio Visual [15 Hrs.]

The students shall be exposed to audio visual methods of counselling for 5 cases

Discussion and interpretation

UNIT 3: Conventional Counselling [15 Hrs.]

Conventional counselling for 5 cases
Discussion and interpretation

UNIT 4: Yogic Counselling [15 Hrs.]

Yogic counselling for 5 cases
Discussion and interpretation

TEXT BOOK:

Rama, S., Ballentine, R. & Ajaya, S. (1976) *Yoga Psychotherapy*. Pennsylvania: HIP.

REFERENCE BOOKS:

Brown, B. (1977) *Stress and the Art of Biofeedback*. Toronto: Bantam Age Books.

Cacippo, J. T., Tassinary, L.G., & Berntson, M. (2007) *Handbook of Psycho- physiology*,
Cambridge.

Schwartz, M. S. (Ed) (2001) *Biofeedback: A Practitioner's Guide*. New York: The Guilford
Press.

Semester-III

SPECIALIZED PAPERS

Course Name: Principal Upanishads

Course Code: MS-SCT301

Course Objective:

1. To outline and interpret basic Yogic concepts and Sadhana Covered by Principal Upanishads.

Course Outcomes:

This course will enable learners to

1. Locate Yogic principles and practices covered by principal Upanishads.
2. Interpret Tattva Mimamsa.
3. Analyze yogic elements covered by principal Upanishads.

Mapping of COs to POs

CO	PO1	PO2	PO3
CO1	✓	✓	✓
CO2	✓	✓	✓
CO3	✓	✓	✓

Course Content

Units	Title	COs Addressed
1	Introduction to Upanishads	CO1
2	Tattva Mimamsa (Theory of Reality)	CO2
3	Yogatattva in Principal Upanishads-I	CO1, CO3
4	Yogatattva in Principal Upanishads-II	CO3, CO3

Assessment Plan

Total Number of Hrs: 60		Theory	Tutorial	Practical
Credits		3	1	0
Hrs/ week		3	1	0
SCHEME OF EXAMINATION				
Total Marks: 100				
Theory : 100		Practical :		
Final Exam (SEE)	Internal Assessment (CT+TA)	Final Exam (SEE)	Internal Assessment (CT+TA/PR)	
70	30			

Mapping Assessment with COs

S.No.	Assessment type	CO1	CO2	CO3
1	Internal Examination	✓	✓	
2	Semester End Examination	✓	✓	✓

UNIT 1: Introduction to Upanishads [15 hrs]

Meaning of Upanishad, Concept of Veda and Upanishad, Comparison between subject matters of Veda & Upanishads, Number of Upanishads & Brief Introduction to Principal Upanishads- Isha, Kena, Katha, Prashna, Mundaka, Mandukya, Aitreya, Taittiriya, Brihadaranyak & Chhandogya Upanishad.

UNIT 2: Tattva Mimansa (Theory of Reality) [15 hrs]

Nature of *Brahma* & *Atma* according to Principal Upanishad in view of Acharya Shankar, Acharya Ramanuj, Acharya Madhva, Acharya Vallabh, Acharya Nimbark, *Shrishti Prakriya* (Process of Creation).

UNIT 3: Yogatattva in Principal Upanishads-I [15 hrs]

Definition of Yoga, Types of Yoga- Jnyana Yoga, Bhakti Yoga, Karma Yoga & Raja Yoga, Concept of Panchkosha, Three Bodies, Omkara Upasana.

UNIT 4: Yogatattva in Principal Upanishads-II [15 hrs]

Ashtanga Yoga in Principal Upanishad- Yama, Niyama, Asana, Pranayama, Pratyahara, Dharana, Dhyana, Samadhi.

REFERENCE BOOKS:

Aurobindo, S. (2001). *Kena and Other Upanishads: The Complete Works of Sri Aurobindo Volume 18*. Pondicherry, India: Sri Aurobindo Ashram Publication Department.
file:///C:/Users/Admin/Downloads/Aurobindo Sri-The Upanishads - II_ Kena and Other Upanishads (Complete Works of Sri Aurobindo Volume 18).pdf

Aurobindo, S. (2003). *Isha Upanishad: The Complete Works of Sri Aurobindo Volume 17*. Pondicherry, India: Sri Aurobindo Ashram Publication Department.
file:///C:/Users/Admin/Desktop/Aurobindo Sri-The Upanishads - I_ Isha Upanishad (Complete Works of Sri Aurobindo Volume 17).pdf

108 Upanishad-*Sadhana Khand*- Pt. Sriram Sharma Acharya, Shantikunj, Haridwar.

108 Upanishad-*Brahmavidya Khand*-Pt. Sriram Sharma Acharya, Shantikunj, Haridwar.

108 Upanishad-*Jnana Khand*- Pt. Sriram Sharma Acharya, Shantikunj,Haridwar.

Upanishad Sangraha- *Jagdish Shashtri*, Motilal Banarasidas, Varanasi, Delhi, Chennai.

Swami Sivananda - *The Essence of Principal Upanishads*, Divine Life Society, 1980

Swami Nikhilananda - *The Principal Upanishads*, Courier Corporation, 2003

Course Name: Yoga in World Religions - Synthesis

Course Code: MS-SCT302

Course Objectives:

1. To discuss basic Yogic concepts and Sadhana of every religion as the common avenue for peace and communal harmony.
2. To develop awareness that all the religions have common Yoga Sadhanas targeting harmony and peace.

Course Outcomes:

This course targets learners' empowerment to

1. Analyze religions and their essence.
2. Explore and practice yoga principle and techniques covered by Jainism, Buddhism, Sufism, Islam and Christianity.

Mapping of COs to POs

CO	PO1	PO2	PO3
CO1	✓	✓	✓
CO2	✓	✓	✓

Course Content

Units	Title	COs Addressed
1	Religions and their Essence	CO1, CO2
2	Yoga in Jainism and Buddhism	CO2
3	Yoga in Sufism and Islam	CO2
4	Yoga in Christianity	CO2

Assessment Plan

Total Number of Hrs: 60		Theory	Tutorial	Practical
Credits		3	1	0
Hrs/ week		3	1	0
SCHEME OF EXAMINATION				
Total Marks: 100				
Theory : 100		Practical :		
Final Exam (SEE)	Internal Assessment (CT+TA)	Final Exam (SEE)	Internal Assessment (CT+TA/PR)	
70	30			

Mapping Assessment with COs

S.No.	Assessment type	CO1	CO2
1	Internal Examination	✓	✓
2	Semester End Examination	✓	✓

UNIT 1: Religions and their Essence

Meaning of Religion; Introduction to Jainism and Goal of human life in Jainism; Introduction to Buddhism and Goal of human life in Buddhism; Introduction to Islam and Goal of human life in Islam; Introduction to Christianity and Goal of human life in Christianity; Introduction and Essence of Sufism and Goal of human life in Sufism.

UNIT 2: Yoga in Jainism and Buddhism

Anekantavada (Syadvada), Concept of Tri-ratnas, Concept of Kayotsarga (Prekshadhyana); Introduction to Buddhism, Skandha-vada, Concept of Arya-satya or Four Noble Truths, Arya-astangika-marga or Noble-eight-fold-path (Bouddha-Yoga); Tai Chi-based Meditation, Zen meditation, Qi-gong meditation and G-Tum-O meditation.

UNIT 3: Yoga in Sufism and Islam

Elements of Yoga in Sufism, Sufi Meditation Techniques. Sufi Meditation: Muraqaba; Islam: Salat positions along with their most similar yoga positions; Qiyam and Namaste; Ruk'u and Ardha Uttanasana; Julus and Vajrasana; Sujud and Blasana;

UNIT 4: Yoga in Christianity

Contemplation, Meditation as practiced by Franciscan nuns, Rosary meditation, Meditation as prescribed by the church, Meditation in Christian literature; Hesychasm, Maranatha-a-christian meditation mantra.

TEXT BOOK:

Lajpat, Rai & others : Meditation, Anubhava Rai Publications, Gurgaon, 1999

Wilber, K. (2006). *Integral Spirituality: A Startling New Role for Religion in the Modern and Postmodern World*. Boston, MA: Integral Books.

REFERENCE BOOKS:

Lajpat, Rai: *Discovering Human Potential Energy*, Anubhava Rai Publications, Gurgaon (1999)

Parragon: *World Religion*, Parragon Publishing India

Swami Niranjanananda Saraswati : *Dharana Darshan*, Yoga Publications Trust, 1996, Munger, Bihar, India,

Wilber, K. (2006). *Integral Spirituality: A Startling New Role for Religion in the Modern and Postmodern World*. Boston, MA: Integral Books.

MN Gulati (2008), *Comparative Religions And Philosophies : Anthropomorphism And Divinity*

Course Name: Human Consciousness**Course Code: MS-EL303****Course Objective:**

1. To interpret concept of Human Consciousness in Indian Philosophy Ayurveda and Tantra

Course Outcomes:

This course targets empowerment of learners to

1. Outline different perspective of human consciousness—Vedanta, Tantra, quantum, biological astrological, Vaisheshika, Samkhya, Mimamsa, Nyaya.
2. Apply principles, processes and practices for elevation of human consciousness as explained in perspective.

Mapping of COs to POs

CO	PO1	PO2	PO3
CO1	✓	✓	
CO2	✓	✓	✓

Course Content

Units	Title	COs Addressed
1	Introduction and Concept of Human Consciousness	CO1
2	Philosophy and Science of Human Consciousness	CO1, CO2
3	Various streams of Ancient Indian & Modern Sciences	CO1
4	Different Mysteries and Development of Human Consciousness	CO1, CO2

Assessment Plan

Total Number of Hrs: 60		Theory	Tutorial	Practical
Credits		3	1	0
Hrs/ week		3	1	0
SCHEME OF EXAMINATION				
Total Marks: 100				
Theory : 100		Practical :		
Final Exam (SEE)	Internal Assessment (CT+TA)	Final Exam (SEE)	Internal Assessment (CT+TA/PR)	
70	30			

Mapping Assessment with COs

S.No.	Assessment type	CO1	CO2
1	Internal Examination	✓	✓
2	Semester End Examination	✓	✓

UNIT 1: Introduction and Concept of Human Consciousness [10 hrs]

Meaning, definition and Scope of Consciousness, Nature of Consciousness, Need of study of Human Consciousness, Present Crisis on Human Consciousness and measures of their appropriate solutions.

UNIT 2: Philosophy and Science of Human Consciousness [15 hrs]

Human Consciousness in Veda and Upnishad, Human Consciousness in Buddha and Jain Philosophy, Human Consciousness in Nyaya, Vaisheshik, Sankhya, Yoga, Mimamsha and Vedanta.

UNIT 3: Various streams of Ancient Indian & Modern Sciences [15 hrs]

Human Consciousness in Tantra, Astrology and Ayurveda, Human Consciousness in Modern Science: Researches related to Human Consciousness in Human Anatomy, Physiology & Psychology.

UNIT 4: Different Mysteries and Development of Human Consciousness [20 hrs]

Birth and Life, Fate and Efforts (Purushartha), Principles of Karma, Samskar and Rebirth. Concept of Kundalini, Concept of Chakra. Various psychological methods for development of Human Consciousness. Methods for development of Human Consciousness in Various Religions- Islam, Christianity, Sikhism, Various Techniques for developments of Human Consciousness by Indian Rishis.

REFERENCE BOOKS:

Motoyama, H. (2008). *Theories of the Chakras: Bridge to Higher Consciousness*. New Delhi, India: New Age Books.

Sarath, E. W. (2013). *Improvisation, Creativity, and Consciousness: Jazz as Integral Template for Music, Education, and Society*. New York, NY: Suny Press.

Schweizer, P. (1993). Mind/Consciousness Dualism in Sankhya-Yoga Philosophy. *Philosophy and Phenomenological Research*, 53(4), 845–859. doi:10.2307/2108256

Timalsina, S. (2008). *Consciousness in Indian philosophy: The Advaita doctrine of “awareness only.”* *Consciousness in Indian Philosophy: The Advaita Doctrine of “Awareness Only.”* doi:10.4324/9780203889176

Wilber, B. K. (1997). Sex, Ecology, Spirituality. *The Journal of Socio-Economics*, 26(1), 107–108. doi:10.1016/S1053-5357(97)90056-1

Wilber, K. (2006). *Integral Spirituality: A Startling New Role for Religion in the Modern and Postmodern World*. Boston, MA: Integral Books.

- *Bharatiya Darshano mein Chetana ka Swaroop*, Dr. KrishnaSaxena
- *Bharatiya Darshan*, Acharya BaldevUpadhyaya
- *Upanishadic Adhyatma Vigyan*, Dr. IshwarBharadwaj
- *Manav Chetana*, Dr. IshwarBharadwaj
- *Manav Chetana ewam Yoga Vigyan*, Dr. KamakhyaKumar
- *A study in Consciousness*, AnnieBesant
- *Ayurveda and Mind*, Dr. DavidFrawley
- *The Root of Consciousness*, JefferyMishlor
- *Mind and Super Mind*, N.C.Panda
- *Seven States of Consciousness*, AnthonyCampbell
- *Human Consciousness & Yogic Science*, Dr. KamakhyaKumar

Name of the Course: Field Training-I

Course Code: MS-FW304

Course Objectives:

Following the completion of this field training, students shall be able to:

1. Translate practical knowledge about the Yoga Teachings of Swami Ramdev.
2. Teach different practices of Swami Ramdev Yoga Style.

Course Outcomes:

This course targets empowerment of learners to

1. Demonstrate and apply yoga style of swami Ramdev for lifestyle moderation, health promotion and healing.
2. Carry out field projects regarding utility of swami Ramdev yoga style.

Mapping of COs to POs

CO	PO1	PO2	PO3
CO1	✓	✓	
CO2	✓	✓	✓

Assessment Plan

Total Number of Hrs: 120	Theory	Tutorial	Practical
Credits			4
Hrs/ week			8
SCHEME OF EXAMINATION			
Total Marks: 100			
Theory : 100		Practical :	
Final Exam (SEE)	Internal Assessment (CT+TA)	Final Exam (SEE)	Internal Assessment (CT+TA/PR)
		70	30

Instructions:

During field training students are expected to carry out the following tasks.

1. Involve themselves during practical session.
2. Understand how to take teach.
3. Gain the knowledge of teaching different Yoga Texts.

Note:

Students need to spend 2 hours every day in the nearby Yoga Schools/ Recognized Yoga Universities.

Examination:

Students shall be examined based on the knowledge acquired with respect to Yoga Texts.

Course Name: Project Work-I

Course Code: MS-EL305

Course Objectives:

Following the completion of this course, learners will enable to carry out project work in Literary and Philosophical area of the Shastras.

Course Outcomes:

This course targets empowerment of learners to

1. Design mini research projects.
2. Collect, collate, analyze and interpret data.
3. Draw the conclusion and apply the research findings.

Mapping of COs to POs

CO	PO1	PO2	PO3
CO1	✓	✓	
CO2	✓	✓	✓
CO3		✓	✓

Assessment Plan

Total Number of Hrs: 120	Theory	Tutorial	Practical
Credits			4
Hrs/ week			8
SCHEME OF EXAMINATION			
Total Marks: 100			
Theory : 100		Practical :	
Final Exam (SEE)	Internal Assessment (CT+TA)	Final Exam (SEE)	Internal Assessment (CT+TA/PR)
		70	30

Note:

- During this time, candidates are expected to carry out the following task
- Meet guide at least once to report the progress.
- Spend time every day for recording the data.

Examination:

Students shall be examined based on the presentation of their synopsis and progression of the project work.

Semester-IV

Paper- Yoga Shashtra-I

Course Name: Brahmasutra & Viveka Chudamani

Course Code: MS-SCT401

Course Objective:

1. To understand the concept of four Brahma Vakyas and knowledge of Jnana Yoga and Vivekachoodamani.

Course Outcomes:

1. Review Brahmasutra & Viveka Chudamani philosophy
2. Review Tattvajnana importance, evolution and involution
3. Explain Panch Prana, Panch Kosha as per Vivek Chudamani
4. Elucidate concept of Vairagya, Outcomes of Self Realization, Symptoms of Jivanmukta

Mapping of COs to POs

CO	PO1	PO2	PO3
CO1	✓	✓	
CO2	✓	✓	✓
CO3		✓	✓
CO4	✓	✓	✓

Course Content

Units	Title	COs Addressed
1	Brahma Sutra	CO1
2	Vivek Chudamani-I	CO2
3	Vivek Chudamani-II	CO3
4	Vivek Chudamani-III	CO4

Assessment Plan

Total Number of Hrs: 60		Theory	Tutorial	Practical
Credits		3	1	0
Hrs/ week		3	1	0
SCHEME OF EXAMINATION				
Total Marks: 100				
Theory : 100		Practical :		
Final Exam (SEE)	Internal Assessment (CT+TA)	Final Exam (SEE)	Internal Assessment (CT+TA/PR)	
70	30			

Mapping Assessment with COs

S.No.	Assessment type	CO1	CO2	CO3	CO4
1	Internal Examination	✓	✓		
2	Semester End Examination	✓	✓	✓	✓

UNIT 1: Brahma Sutra [15 hrs]

Brief Introduction to Brahmasutra and its writer, Explanation of these sutras- Athato Brahma Jijnasa; Janmadyasya Yatah; Shastrayonitvat; Tattusamanvayat

UNIT 2: Vivek Chudamani-I [15 hrs]

Brief Introduction to Vivek Chudamani, Importance of Tattvajnana, Means of attaining Tattvajnana, Eligibility of Sadhaka, Sadhana Chatushthaya, Importance of Self Realization, Concept and need of Aparokshanubhuti, Three Shareer (Physical, Subtle & Causal), Dehasakti-Ninda, Indriya and Indriya-Vishaya Ninda, Antahkaran Chatusthaya.

UNIT 3: Vivek Chudamani-II [15 hrs]

Anatmanirupana, Adhyas and Adhyas Niras, Awaranshakti and Vikshepashakti, Panch Prana, Panch Kosha, Ego and Criticism of Egoism, Negligence of Drishya.

UNIT 4: Vivek Chudamani-III [15 hrs]

Brahma Nirupana, Brahma Bhawana, Maha Vakya Vichara, Brahma Jagat Ekata, Concept of Samadhi, Concept of Vairagya, Outcomes of Self Realization, Symptoms of Jivanmukta.

REFERENCE BOOKS:

Brahma Sutra- Shankar Bhasya, Gita Press Gorakhpur.

Vivek Chudamani- Arvindananda Yati, Choukhamba Vidyabhawan, Varanasi, UP.

Vivek Chudamani- Gita Press, Gorakhpur.

Berger, Douglas L. (2005). "The Vivekacudamani of Sankaracarya Bhagavatpada: An Introduction and Translation (review)". Philosophy East and West. 55 (4): 616–619.

Paper- Yoga Shashtra-II

Course Name: Samkhya Karika

Course Code: MS-SCT402

Course Objectives:

1. To discuss basics of Samkhya Philosophy

Course Outcomes: This course targets empowerment of learners to

1. Review Samkhya philosophy and Samkhya karika.
2. Outline dukkha primordial elements, evolution and involution
3. Explain trayodashkaran five sensory and five motor organs.
4. Relate bodies, Bandhan and Mukti (liberation)

Mapping of COs to POs

CO	PO1	PO2	PO3
CO1	✓	✓	
CO2	✓	✓	✓
CO3	✓	✓	✓
CO4	✓	✓	✓

Course Content

Units	Title	COs Addressed
1	Introduction to Sankhya Philosophy and Sankhya Karika	CO1
2	Principles of Sankhya Karika	CO1
3	Introduction to Trayodashkaran	CO2, CO3
4	Introduction to Sarg, Shareer & Mukti	CO4

Assessment Plan

Total Number of Hrs: 60		Theory	Tutorial	Practical
Credits		3	1	0
Hrs/ week		3	1	0
SCHEME OF EXAMINATION				
Total Marks: 100				
Theory : 100		Practical :		
Final Exam (SEE)	Internal Assessment (CT+TA)	Final Exam (SEE)	Internal Assessment (CT+TA/PR)	
70	30			

Mapping Assessment with COs

S.No.	Assessment type	CO1	CO2	CO3	CO4
1	Internal Examination	✓	✓		
2	Semester End Examination	✓	✓	✓	✓

UNIT 1- Introduction to Sankhya Philosophy and Sankhya Karika [10 hrs]
Meaning of *Sankhya*, Historical Background of *Sankhya*, Brief Introduction to *Sankhya Karika* & their Annotations (*Matarvritti*, *Jaymangala*, *Yuktidipika*, *Sankhyatattvakomodi*)

UNIT 2- Principles of Sankhya Karika [20 hrs]

Types of *Dukha*, Ways to get rid of *Dukha*, Nature & Concept of Reality: *Vyakta*, *Avyakta* & *Jna*, Comparison between *Vyakta* and *Avyakta*, the 25 elements and their four variations, *Vastu anupalabdhi ke karan* & *Satkaryavad*, *Pramana* and its types, Nature & types of *Purusha*, Relationship between *Prakriti* & *Purusha*, Nature of *Gunas*.

UNIT 3- Introduction to Trayodashkaran [15 hrs]

Concept and names of *Trayodashkaran*: *Buddhi*, *Ahankar*, *Mana*, *Panch Jnanendriya*, *Panch Karmendriya*, Characteristics and functions of *Trayodashkaran*, Eight *Dharmas* of *Buddhi*.

UNIT 4- Introduction to Sarg, Shareer & Mukti [15 hrs]

Concept and types of *Sarga*: *Bhutsarga* & *Pratyayasarga*, Types of *Shareer*: *Linga*, *Sukshma* & *Sthula Shareer*, Concept of *Bandhan*, Concept of *Mukti*, Types of *Mukti*.

REFERENCE BOOKS:

- Gerald James Larson (1998), *Classical Sāṃkhya: An Interpretation of Its History and Meaning*, Motilal Banarasiidass
- Albrecht Wezler and Shujun Motegi (1998), *Yuktidipika - The Most Significant Commentary on the Sāṃkhyakārikā*, Critically Edited, Vol. I. Stuttgart: Franz Steiner Verlag.
- Karl H. Potter (2011), *The Encyclopedia of Indian Philosophies, Volume 2: Indian Metaphysics and Epistemology*, Motilal Banarsidass
- Krishna, Ishvara; (translated by: Swami, Virupakshananada), (1995). Samkhya Karika. Sri Vacaspati Misra. Mylapore, Madras: Sri Ramakrishna Matt.*

Course Name: YOGA UPANISHADS

Course Code: MS-EL403

Course Objective:

1. To study the basics and applied part of Yoga in different Yoga Upanishads

Course Outcomes:

This course targets empowerment of learners to

1. Review *Shandilya Upanishad* and its *Ashtanga Yoga* philosophy
2. Review *Jabaldarshanopanishad* and its *Ashtanga Yoga* philosophy
3. Review *Trishikhibrahmanopanishad* and its *Ashtanga Yoga* philosophy
4. Review *Yogchudamanyupanishad* and its *Shadanga* philosophy

Mapping of COs to POs

CO	PO1	PO2	PO3
CO1	✓	✓	
CO2	✓	✓	✓
CO3	✓	✓	✓
CO4	✓	✓	✓

Course Content

Units	Title	COs Addressed
1	Shandilya Upanishad	CO1
2	Jabaldarshanopanishad	CO2
3	Trishikhibrahmanopanishad	CO3
4	Yogchudamanyupanishad	CO4

Assessment Plan

Total Number of Hrs: 60	Theory	Tutorial	Practical
Credits	3	1	0
Hrs/ week	3	1	0
SCHEME OF EXAMINATION			
Total Marks: 100			
Theory : 100		Practical :	
Final Exam (SEE)	Internal Assessment (CT+TA)	Final Exam (SEE)	Internal Assessment (CT+TA/PR)
70	30		

Mapping Assessment with COs

S.No.	Assessment type	CO1	CO2	CO3	CO4
1	Internal Examination	✓	✓		
2	Semester End Examination	✓	✓	✓	✓

UNIT 1: Shandilya Upanishad [15 hrs]

Brief Introduction to *Shandilya Upanishad*, *Ashtanga Yoga*: Types of *Yama*, Types of *Niyama*, Types of *Asana*, Concept and Types of *Nadi & Prana*, Stages of *Pranayama*, Concept & Types of *Pratyahara*, Concept & Types of *Dharana*, Concept & Types of *Dhyana*. Concept of *Samadhi*.

UNIT 2: Jabaldarshanopanishad [15 hrs]

Brief Introduction to *Jabaldarshanopanishad*, *Ashtanga Yoga* : *Yama* (10 Types), *Niyama* (10 Types), *Asana* (9 Types), Types of *Prana & Nadi*, Types of *Pranayama* , *Pratyahara*, *Dharana*, *Dhyana* (Its Types) & *Samadhi*.

UNIT 3: Trishikhibrahmanopanishad [15 hrs]

Brief Introduction to *Trishikhibrahmanopanishad*, Concept & Types of *Yamas* and *Niyamas*, Concept & Types of *Asanas*, Types of *Nadi*, Types of *Prana & Pranayama*, Concept of *Pratyahara*, *Dharana*, *Dhyana*, *Samadhi*.

UNIT 4: Yogchudamanyupanishad [15 hrs]

Brief Introduction to *Yogchudamanyupanishad*, *Shadanga Yoga*- *Asana* & its types, Types of *Chakra*, *Nadi*, *Prana*, *Pranayama*: Its types & Benefits, Concept of *Kundalini* , *Mitahara*, *Mudra & Bandhas*, Concept of *Pratyahara*, Concept of *Dharana*, Concept of *Dhyana*, Concept of *Samadhi*.

REFERENCE BOOKS:

108 Upanishad-*Brahmavidya Khand*- Pt. Sriram Sharma Acharya, Shantikunj, Haridwar.

108 Upanishad-*Jnana Khand*- Pt. Sriram Sharma Acharya, Shantikunj, Haridwar.

108 Upanishad-*Sadhana Khand*- Pt. Sriram Sharma Acharya, Shantikunj, Haridwar.

Swami Nikhilananda - *The Principal Upanishads*, Courier Corporation, 2003

Swami Sivananda - *The Essence of Principal Upanishads*, Divine Life Society, 1980

Upanishad Sangraha- *Jagdish Shashtri*, Motilal Banarasidas, Varanasi, Delhi, Chennai.

Name of the Course: Field Training-I

Course Code: MS-FW404

Course Objectives:

Following the completion of this field training, students shall be able to:

1. Discuss wellness empowering herbal formulations prescribed by Swami Ramdev and Acharya Balkrishna.
2. Recognize practical knowledge about wellness empowering herbal formulations prescribed by Swami Ramdev and Acharya Balkrishna.

Course Outcomes:

This course targets empowerment of learners to

1. Discuss yogic principles and practice coined by Patanjali yogpeeth for optimizing wellness, health and wellbeing.
2. Prepare and use herbal formulations and natural modalities worked out by PYP for health promotion, disease prevention and healing.

Mapping of COs to POs

CO	PO1	PO2	PO3
CO1	✓	✓	
CO2	✓	✓	✓

Course Content

Units	Title	COs Addressed
1	Yoga and Health	CO1
2	Ayurveda and Health	CO1, CO2
3	Health-promoting principles and nutritive care	CO1
4	Home Remedies: Application of readily available herbs and spices	CO2

Assessment Plan

Total Number of Hrs: 120		Theory	Tutorial	Practical
Credits				4
Hrs/ week				8
SCHEME OF EXAMINATION				
Total Marks: 100				
Theory : 100		Practical :		
Final Exam (SEE)	Internal Assessment (CT+TA)	Final Exam (SEE)	Internal Assessment (CT+TA/PR)	
		70	30	

Instructions:

During field training students are expected to carry out the following tasks.

1. Involve themselves during practical session.
2. Understand how to take teach
3. Gain the knowledge of teaching different Yoga Texts

Note:

Students need to spend 2 hours every day in the nearby Yoga Schools/ Recognized Yoga Universities

Examination:

Students shall be examined based on the knowledge acquired with respect to Yoga Texts

Name of the Course: Project Work-I

Course Code: MS-PW405

Course Objectives:

Following the completion of this course, learners will be able to carry out project work in Literary and Philosophical area of the Shastras.

Course Outcomes:

This course targets empowerment of learners to

1. Carry out mini research project, draft dissertation/thesis and write research paper for scholarly publication.
2. Validate bio, psycho, social, spiritual effectiveness of yoga, naturopathy and home remedies.

Mapping of COs to POs

CO	PO1	PO2	PO3
CO1	✓	✓	✓
CO2	✓	✓	✓

Assessment Plan

Total Number of Hrs: 120	Theory	Tutorial	Practical
Credits			4
Hrs/ week			8
SCHEME OF EXAMINATION			
Total Marks: 100			
Theory : 100		Practical :	
Final Exam (SEE)	Internal Assessment (CT+TA)	Final Exam (SEE)	Internal Assessment (CT+TA/PR)
		70	30

Note:

- During this time, candidates are expected to carry out the following task
- Meet guide at least once to report the progress.
- Spend time every day for recording the data.

Examination:

Students shall be examined based on the presentation of their synopsis and progression of the project work.

Elective Paper-III:

Maharishi Dayananda's Yoga teachings (Contents to be workout inconsultation with HH Swami Ramdev Ji)

OR

Swami Vivekananda's Four Yoga Streams

Course Objective:

1. To explain principles and practices of the different streams of Yoga.

Course Outcomes:After study this course, a learner will enable to

1. Outline Yogic etiopathogenesis and management of stress from the perspective of Raja Yoga, Karma Yoga, Jyana Yoga, Bhakti Yoga
2. Interpret yogic perspective of human personality and its development process and practices.
3. Apply yogic principles and practices of Raja Yoga, Karma Yoga, Jyana Yoga, Bhakti Yoga for maximizing performance of mankind.
4. Use yogic principle and practice covered in Raja Yoga, Karma Yoga, Jyana Yoga, Bhakti Yoga for managing stress and personality development.

Mapping of COs to POs

CO	PO1	PO2	PO3
CO1	✓	✓	
CO2	✓	✓	✓
CO3		✓	✓
CO4		✓	✓

Course Content

Units	Title	COs Addressed
1	Raja Yoga	CO1, CO2, CO3, CO4
2	Karma Yoga	CO1, CO2, CO3, CO4
3	Jnana Yoga	CO1, CO2, CO3, CO4
4	Bhakti Yoga	CO1, CO2, CO3, CO4

Assessment Plan

Total Number of Hrs: 60	Theory	Tutorial	Practical
Credits	3	1	0
Hrs/ week	3	1	0
SCHEME OF EXAMINATION			
Total Marks: 100			
Theory : 100		Practical :	
Final Exam (SEE)	Internal Assessment (CT+TA)	Final Exam (SEE)	Internal Assessment (CT+TA/PR)
70	30		

Mapping Assessment with COs

S.No.	Assessment type	CO1	CO2	CO3	CO4
1	Internal Examination	√	√		
2	Semester End Examination	√	√	√	√

UNIT 1: Raja Yoga [10 hrs]

Introduction to Raja Yoga, The first steps, Prana, The Psychic Prana, The Control of Psychic Prana, Pratyahara and Dharana, Dhyana and Samadhi, Raja Yoga in brief, Concentration: its Practices and spiritual uses.

UNIT 2: Karma Yoga [10 hrs]

Karma & its Effect on Character, Each is great in his own place, The Secret of Work, What is Duty? We Help Ourselves, not the World, Non-Attachment is the Complete Self-Abnegation, Freedom, the Ideal of Karma Yoga.

UNIT 3: Jnana Yoga [15 hrs]

The Necessity of Religion, The Real Nature of Man, Maya & Illusion, Maya and the Evolution of the Conception of God, Maya and Freedom, The Absolute and Manifestation, God in Everything, Realization, Unity in Diversity, The Freedom of the Soul, The Cosmos: The Macrocosm & The Microcosm, Immortality, The Atman: Its Bondage and Freedom, The Real and the Apparent Man.

UNIT 4: Bhakti Yoga [25 hrs]

Definition of Bhakti, The Philosophy of Ishwara, Spiritual Realization, The Aim of Bhakti Yoga, The need of a Guru, Qualifications of the Aspirant and the Teacher, The Mantra: OM: Word and Wisdom, Worship of Substitutes and Images, The Chosen Ideal, The Method and the Means, Para Bhakti: The Preparatory Renunciation, The Bhakta's Renunciation results from Love, The Naturalness of Bhakti-Yoga and its Central Secret, The forms of Love Manifestations, Universal Love and How it Leads to Self-Surrender, The Higher Knowledge and the Higher, Love are one to the True Lover, The Triangle of Love, The God of Love is his Own Proof, Human Representations of the Divine Ideal of Love.

TEXTBOOKS:

Dayanda, M. (2009). Satyarth Prakash (69st ed.). Delhi, India: Arya Sahitya Prachar Trust.

REFERENCE BOOKS:

Raja Yoga – Swami Vivekananda

Karma Yoga – Swami Vivekananda

Jnana Yoga – Swami Vivekananda

Bhakti Yoga – Swami Vivekananda

SPECIALIZED PAPERS – II

II Year										
Semester - III										
1	MS-SCT301	Disease specific pathology-I*	3	1	0	4	20	10	70	100
2	MS-SCT302	Evidence based yoga therapy-I∞	3	1	0	4	20	10	70	100
3	MS-ELT303	Elective-I† (Naturopathy)	3	1	0	4	20	10	70	100
4	MS-SCT304	Disease specific pathology, practical-I	-	-	4	2	10	05	35	50
5	MS-SCT305	Evidence based yoga therapy, practical-I	-	-	4	2	10	05	35	50
6	MS-FW306	Field training-I	-	-	8	4	20	10	70	100
7	MS-PW307	Project work-I	-	-	8	4	-	-	-	100
36Hrs						24	TOTAL			600
Semester- IV										
1	MS-SCT401	Disease specific pathology-II**	3	1	0	4	20	10	70	100
2	MS-SCT402	Evidence based yoga therapy-II∞	3	1	0	4	20	10	70	100
3	MS-ELT403	Elective-II† (Complementary and Alternative Therapy)	3	1	0	4	20	10	70	100
4	MS-SCT404	Disease specific pathology, practical-II	-	-	4	2	10	05	35	50
5	MS-SCT405	Evidence based yoga therapy, practical-II	-	-	4	2	10	05	35	50
6	MS-FW406	Field training-II	-	-	8	4	20	10	70	100
7	MS-PW407	Project work-II	-	-	8	4	-	-	-	100
36						24	TOTAL			600
Hrs										
Total number of Credits						100				2500

SST – Specialised Courses Theory, SSP - Specialized Courses Practicals; EL – Elective; DSTE –

Dsicipline specific theory elective, PW-Project work, FW-Field Work

L - Lecture, T-Tutorial, P-Practical (practice/ field), CT- Cumulative Tests, TA - Teachers Assessment, SEE - Semester Examination, PR- Practical Record

Discipline specific theory electives

1. Mind-bodymedicine
2. Neurobiology ofconsciousness
3. Psychophysiology ofmeditation
4. Applied yogatherapy
5. Introduction to integrativemedicine
6. Human body according toyoga

Name of the Course: Disease Specific Pathology-I

Course Code: MS-SCT301

Course Objectives:

At the end of this theory teaching will be able to:

1. Explain etiopathogenesis of diseases and the concept and the Pathological effect of various non-communicable diseases and the body's capacity for healing.
2. Identify common hematological disorders and annotate necessary steps to understand them.
3. Explain the pathogenesis of gastrointestinal disorders.

Course Outcomes:

The learning outcomes of this course will enable learners to

1. Explain etiopathogenesis factors and markers of cancers, inflammation, cellular damage and electrolyte imbalance
2. Identify normal and abnormal limits of hemodynamic changes during carcinoma, cardiovascular and GIT disease.
3. Recognize normal and abnormal values of markers related to GIT disease.

Mapping of COs to POs

CO	PO1	PO2	PO3
CO1	√		
CO2		√	
CO3		√	√

Course Content

Units	Title	COs Addressed
1	Introduction to Pathology	CO1, CO2, CO3
2	Hemodynamics Changes	CO1, CO2, CO3
3	Haematology	CO1, CO2, CO3
4	Gastrointestinalpathology	CO1, CO2, CO3

Assessment Plan

Total Number of Hrs: 60	Theory	Tutorial	Practical
Credits	3	1	0
Hrs/ week	3	1	0
SCHEME OF EXAMINATION			
Total Marks: 100			
Theory : 100		Practical :	
Final Exam (SEE)	Internal Assessment (CT+TA)	Final Exam (SEE)	Internal Assessment (CT+TA/PR)
70	30		

Mapping Assessment with COs

S.No.	Assessment type	CO1	CO2	CO3
1	Internal Examination	√	√	
2	Semester End Examination	√	√	√

UNIT 1: Introduction to Pathology [15 Hrs.]

Importance of the study of pathology; Definition of terms; Methods and techniques; Cellular and Tissue changes; Infiltration and regeneration; Inflammations and Infections; Wound healing; Vascular changes; Cellular growth, Neoplasms; Normal and Cancer cell; Benign and Malignant growths; Carcinoma Disturbances of fluid and electrolyte imbalance.

UNIT 2: Hemodynamics Changes [15 Hrs.]

Oedema, Shock, Thrombosis, Embolism, Infarction; Neoplasia: Cell cycle, Hyperplasia, Metaplasia, Hypertrophy, Atrophy, Nomenclature (classification of tumors), Differences between benign and malignant tumors, Aetiopathogenesis of neoplasia (cancer), Signs of Malignancy, Chemical and physical carcinogens, Biological carcinogens (RNA & DNA viruses), Spread of tumours (Metastasis), Dysplasia (Carcinoma in-situ), Lab diagnosis of cancer.

UNIT 3: Haematology [15 Hrs.]

Normal Haematopoiesis, Bone marrow examination, Anaemia (Classification of anaemia); 2. Iron deficiency anaemia, Vitamin B12 deficiency anaemia (megaloblastic anaemia), Pernicious anaemia, Haemolytic anaemia (inherited disorders & acquired), Hereditary Spherocytosis, Hereditary Elliptocytosis, Immune Haemolytic anaemia, Thalassemia, Sickle cell anaemia, Aplastic anaemia, Polycythaemia; Agranulocytosis, Leucocytosis – Leukopenia, Leukemoid, Reaction; Leukaemia Lymphomas (Hodgkin's & non-type Hodgkin's; Normal Coagulation mechanism; Thrombocytopenia (ITP); Haemophilia; Christmas Disease – Haemophilia B; Von-willebrads disease; DIC (Disseminated Intravascular Regulation), Rh Incompatibility

UNIT 4: Gastrointestinal pathology [15 Hrs]

Typhoid, Tuberculosis, Crohn's Disease, Appendicitis; Inflammatory diseases of appendix and large intestine: Amoebic colitis, Bacillary dysentery; Ulcerative Colitis; Ischemic and Pseudomembranous enterocolitis, diverticulosis; Malabsorption: Celiac disease, Tropical and other causes; Jaundice : Types, Pathogenesis and Differentiation; Hepatitis : Acute and Chronic, Etiology, Pathogenesis and Pathology; Cirrhosis: Aetiology, Post necrotic, Alcoholic, Metabolic, Pathology, Morphology (Macronodular, Micronodular, Mixed), Complications; Portal Hypertension: Types including non-cirrhotic portal fibrosis and Manifestations.

TEXT BOOKS:

Strayer, D. S., & Rubin, E. (2015). *Rubin's Pathology Clinicopathologic Foundations of Medicine*. Philadelphia, PA: Wolters Kluwer

Test Book of Pathology - Andersons - C.V.Mosby Volume I & II Company

REFERENCE BOOKS:

Basic Pathology - Kumar, Cotran – Saunders

Bryan Rush Distributors Peter Castaldi

Clinical Laboratory Methods - Ramniksood – Jaypee

G.C.DeGruchy Clinical - David Penington - CBS Publishers & Haematology in medical

General Pathology - Walter & Israel –

Horbury, T. (2006). Basic statistics. *National Center for HIV/AIDS, Viral Hepatitis, Sexual Transmitted Diseases and Tuberculosis Prevention*, (April).
<http://www.cdc.gov/hiv/basics/statistics.html>

Illustrated Pathology - Govans - ELBS Edition

Lazaris, A. C. (2018). *Clinical Genitourinary Pathology: A case-based learning Approach*. (A. C. Lazaris, Ed.). Cham, Switzerland: Springer. doi://doi.org/10.1007/978-3-319-72194-1

Lewin, K. J., Riddell, R. H., & Weinstein, W. M. (2014). *Gastrointestinal pathology and its clinical implications* (2nd ed., Vol. I). Philadelphia, PA: Wolters Kluwer health.

Pathologic Basic of Disease- Kumar, Cotran– SaundersCollins

Simpkins, A. M., & Simpkins, C. A. (2011). *Meditation and Yoga in Psychotherapy: Techniques for Clinical Practice* (2011th ed.). Hoboken, New Jersey: John Wiley & Sons, Inc.

Strayer, D. S., & Rubin, E. (2015). *Rubin's Pathology Clinicopathologic Foundations of Medicine*. Philadelphia, PA: Wolters Kluwer.

Name of the Course: Evidence Based Yoga Therapy-I

Course Code: MS-SCT302

Course Objectives:

After the completion of the program, the students should be able to

1. List physiological principles underlying pathogenesis and progression of GIT, musculoskeletal, excretory, and psychological disorders.
2. Independently handle a patient and administer yoga therapy.
3. Illustrate the physiological response and adaptations to environmental stresses.

Course Outcomes:

This course is expected to enable learner to

1. Discuss etiopathogenesis regarding somatic, psychological and psychosomatic disease.
2. To interpret etiopathogenesis of Musculo-skeletal GIT disorders and excretory system related disorders.
3. To diagnose, design and implement integral yoga therapy protocol for prevention and mitigation of major Musculo-skeletal, GIT and excretory system related diseases.

Mapping of COs to POs

CO	PO1	PO2	PO3
CO1	√		
CO2		√	
CO3		√	√

Course Content

Units	Title	COs Addressed
1	Introduction to Common Ailments	CO1, CO2
2	Musculo-Skeletal Disorders	CO1, CO2
3	Gastro Intestinal Disorders	CO2, CO3
4	Excretory System	CO2, CO3

Assessment Plan

Total Number of Hrs: 60	Theory	Tutorial	Practical
Credits	3	1	0
Hrs/ week	3	1	0
SCHEME OF EXAMINATION			
Total Marks: 100			
Theory : 100		Practical :	
Final Exam (SEE)	Internal Assessment (CT+TA)	Final Exam (SEE)	Internal Assessment (CT+TA/PR)
70	30		

Mapping Assessment with COs

S.No.	Assessment type	CO1	CO2	CO3
1	Internal Examination	√	√	
2	Semester End Examination	√	√	√

UNIT 1: Introduction to Common Ailments [15Hrs.]

Introduction to stress: Physiology of stress, psychosomatic ailments; Introduction to Yoga therapy – AdhijaVyadhi concept, IAYT; HIV – AIDS: Cause, Pathophysiology, Clinical Features, Medical management, Yogic Management; Autoimmune disorders: Causes, clinical features, various autoimmune disorders, Medical management, Yogic Management; Cancer: Causes, clinical features, Side effects of Chemotherapy, radiotherapy, Medical management, Yogic Management; Anemia: Classification of anemia, Medical management, Yogic management

UNIT 2: Musculo-Skeletal Disorders [15Hrs]

Back Pain: Classification of back pain: organic and functional, Lumbar Spondylosis, Intervertebral disc prolapse (IVDP), Spondylolisthesis, Spondylitis, Psychogenic- Lumbago, Medical Management, Yogic Management, Neck pain: Classification, Cervical Spondylosis, Functional neck pain, Whiplash injury, Medical Management, Yogic Management; All forms Of Arthritis: Rheumatoid Arthritis: Osteoarthritis, Psoriatic Arthritis, Gout, Medical Management, Yogic Management; Muscular dystrophy: Medical Management, Yogic Management

UNIT 3: Gastro Intestinal Disorders [15Hrs]

APDs: Introduction to APDs: Gastritis –Acute & Chronic, Dyspepsia, Peptic Ulcers:. Clinical Features, Medical Management, Yogic Management, Constipation and Diarrhea: Definition, Pathophysiology, Clinical Features, Medical Management, Yogic Management, iii. Irritable Bowel Syndrome: Definition, Pathophysiology, Classification, Clinical Features, Medical Management, Yogic Management, Inflammatory Bowel Disease, Ulcerative colitis: Definition, Pathophysiology, Classification, Clinical Features, Medical Management, Yogic Management; Crohn's diseases: Definition, Pathophysiology, Classification, Clinical features, Medical Management, Yogic Management.

UNIT 4: Excretory System [15 Hrs.]

Chronic renal failure: Causes, clinical features, Medical management & Yogic Management; Renal stones: Medical management & Yogic Management; Irritable bladder, Medical management, Yogic Management, Stress incontinence, Medical management, Yogic Management; Metabolic Disorder: Diabetes Mellitus 1 and 2.: Definition, Pathophysiology, Classification, Clinical Features: . Medical Management, Yogic Management'; Hypo and Hyper- thyroidism: Definition, Pathophysiology, Classification, Clinical Features, Medical management & Yogic Management; Obesity: Definition, Pathophysiology, Classification, Clinical Features, Medical Management, Yogic Management, Metabolic Syndrome: Definition, Pathophysiology, Classification, Clinical Features, Medical Management and Yogic Management.

REFERENCE BOOKS:

Patanjali Research Foundation. (2015). *Research Publications*. Haridwar, India: DivyaPrakashan

Ramdev, S. (2006). *Yoga Sadhana and Yoga Chikitsa Rahasya*. Haridwar, India: DivyaPrakashan.

Ramdev, S. (2009). *Pranayam Rahasya*. Haridwar, India: Divya Prakashan.

Balkrishna, A. (2007). *Yoga in synergy with medical science*. Haridwar, India: DivyaPrakashan Books™

Balkrishna, A. (2017). *Yoga Vigyanam*. Haridwar, India: Divya Prakashan.

Integrated approach of yoga therapy for positive health-R Nagaratha, HR Nagendra

Iyengar, B. K. S. (2001). *Yoga: The Path to Holistic Health* (1st ed.). London, Great Britain: Dorling Kindersley.

Long, R. (2008). The Key Muscles of Hatha Yoga. papers://0528d255-b313-4f39-8be9-b9934b4cb82f/Paper/p201

Payne, L., & Usatine, R. (2002). *Yoga Rx: A Step-by-Step Program to Promote Health, Wellness, and Healing For Common Ailments* (1st ed.). New York, NY: Broadway Books.

Yoga for common ailments and IAYT for different diseases –R. Nagarathana, H R Nagendra and Shamantakamani Narendran

Yoga for common disorders- Swami Koormananda Saraswati

Name of the Course: Elective-I (Choice Based)

Course Code: MS-ELT303 (Naturopathy)

Course Objectives:

Study of this Paper will enable learner to-

1. Discuss principles and science of preventive & healing modalities in naturopathy.
2. Prescribe and provide naturopathy for common diseases.

Course Outcomes:

This course targets empowerment of learners to

1. Outline philosophy, principles and modalities of naturopathy.
2. Interpret science, process and uses of naturopathic modalities related to water, earth, fire, ether and air for health promotion and healing.
3. Apply science, process and modalities of massage for disease prevention and healing
4. Prescribe and implement naturopathy for various acute and chronic diseases.

Mapping of COs to POs

CO	PO1	PO2	PO3
CO1	√		
CO2	√	√	
CO3		√	√
CO4		√	√

Course Content

Units	Title	COs Addressed
1	Naturopathy Mud, Sun and Air Therapy	CO1, CO2
2	Hydrotherapy	CO1, CO2
3	Fasting	CO2, CO3
4	Massage	CO3, CO4
5	Natural Therapeutics	CO3,CO4

Assessment Plan

Total Number of Hrs: 60	Theory	Tutorial	Practical
Credits	3	1	0
Hrs/ week	3	1	0
SCHEME OF EXAMINATION			
Total Marks: 100			
Theory : 100		Practical :	
Final Exam (SEE)	Internal Assessment (CT+TA)	Final Exam (SEE)	Internal Assessment (CT+TA/PR)
70	30		

Mapping Assessment with COs

S.No.	Assessment type	CO1	CO2	CO3	CO4
1	Internal Examination	√	√		
2	Semester End Examination	√	√	√	√

UNIT-1

Naturopathy: History, Meaning, Definition, Purpose, Core Principles, Constructive and Destructive Principles, Primary and Secondary Causes of Diseases, Chronic and Acute Diseases-Etiology, Signs, Symptoms, Pathophysiology, Diagnosis and Healing Modalities of Naturopathy.

Mud, Sun and Air Therapy: Importance and Types of Mud, Preventive and Therapeutic Effects of Mud, Mud Treatment Modalities and Their preventive and Therapeutic Effects and Uses. Sunlight and its Preventive and Remedial Value, Chromotherapy: Preventive and Therapeutic Modalities of Sunlight and Chromotherapy. Air and its Preventive and Therapeutic Modalities and Uses.

UNIT-2

Hydrotherapy: Meaning, Definition, Purpose, Principles, Preventive and Therapeutic effects and implications of water, Preventive and Therapeutic Modalities in Hydrotherapy and their Science: Normal Bath, Water Intake, Circular Bath, Foot and Arm Bath, Steam Bath, Water Wave Bath, Hip Bath, Jet Bath, Sauna Bath, Whirlpool Bath, Hot and Cold Wet Towel Compress (Full Body, Foot, Arms, Stomach, Back), Sponge Bath, Anemia: Concept, types, Methods, Promotive, Preventive and Therapeutic Uses; and Precautions.

UNIT-3

Fasting: Meaning, Definition, Types, Purpose, Principles, Types (Long term, Short term, Water Fasting, Liquid Fasting), Physiological Action and Reaction of the Fasting, Preventive and Curative Uses of the Fasting, Ideal and Natural Diet; Concept of Dietary and Nutritional Ingredients (Carbohydrate, Fat, Protein, Vitamin, Minerals, Water and Fibers) Disease-wise Dietary Prescriptions as in Unit 5.

UNIT-4

Massage: History, Meaning, Definition, Purpose, Principles, Types (Scientific, Ayurvedic and Thai) and Techniques, Science of Massage, Steps of the Massage: Friction, Stroking, Kneading, Digital Kneading, Fist Kneading, Wringing, Skin Rolling, Tapping, Pinching, Hacking, Cupping, Pounding, Percussion, Acupoint stimulation, Joint mobilization and stretching; Promotive, Preventive and Therapeutic Applications of the three Massages.

UNIT-5

Natural Therapeutics: Constipation, Acid Peptic Diseases: Dyspepsia, GERD Reflux, Peptic and Duodenal Ulcers; Inflammatory Bowel Diseases, Irritable Bowel Syndrome, Coeliac Diseases, Chron's Disease, Colitis, Gallstone, Jaundice, Rhinitis, Sinusitis, Pneumonia, COPD, Asthma, Emphysema, Psoriasis, Hypertension/Hypotension, Under and Over Active Thyroid, Metabolic Syndrome, Obesity, Diabetes- Type 1 and Type 2; Gestational Diabetes, Tuberculosis- Lung, Bone and Gut; Hypertension, Coronary Artery Disease, Congestive Heart Failure, Cancers: Breast, Cervix, Blood, Lung, Hepatic and Gall Bladder, Bone; Back Pain, Neck Pain, Cervical, Spondylosis, DMD, Arthritis-RA & OA, Renal Stone, Leukorrhea, Menstrual Disorders, PCOD, Infertility, Erectile Dysfunction, Premature Ejaculation, Urinary Tract Infection Autism, ADHD, Depression , PTSD, Insomnia, Tension Headaches, Migraine, Stroke, Epilepsy, Parkinson's Disease, Anxiety, Schizophrenia , OCD, Hysteria, Alzheimer's Disease.

REFERENCES

- Bakhru, H. K. (1991). *The Complete Handbook of Nature Cure* (5th ed.). Jaico Publishing House.
- Cayleff, S. E. (2016). *Nature's Pathway: A History of Naturopathic Healing in America*. John Hopkins University Press.
- Goyal, B. B. (2013). *Secrets of Naturopathy and Yoga* (UK ed). Sterling Publishers.
- Hechtman, L. (2012). *Clinical Naturopathic Medicine*. Elsevier.
- Johari, H. (1996). *Ayurvedic Massage Traditional Indian Techniques for Balancing Body and Mind*. Inner Traditions/Bear.
- Lindlahr, H. (2010). *Nature Cure*. Wexford College Press.
- Mhaske, S. N. (2017). *Essentials of Nutrition*. CBS Publishers.
- Mitchell, S. (2001). *Naturopathy*. Random House.
- Niraj, N. K. (2009). *Miracles of Naturopathy and Yogic Sciences*. Popular Book Depot.
- Salguero, C. P., & Roylance, D. (2005). *Encyclopedia of Thai Massage* (2nd ed.). Silkworm Books.
- Sarris, J. (2019). *Clinical Naturopathy: An Evidence-based Guide to Practice*. Elsevier.
- Clay, J. H., & Pounds, D. M. (2008). *Basic clinical massage therapy: integrating anatomy and treatment* (2nd ed.). Lippincott Williams & Wilkins. <https://doi.org/10.1139/apnm-2014-0147>.
- Hoon Debruyne, L. K., Pinna, K., & Whitney, E. (2016). *Nutrition & Diet Therapy* (9th ed.). CENGAGE Learning.
- James Waslaski. (2012). *Clinical Massage Therapy: A Structural Approach to Pain Management* (M. Cohen (Ed.)). Pearson.
- Khan, Janet R. (2002). *Massage Therapy: The Evidence for Practice* (G. J. Rich (Ed.)).

Mosby Elsevier. Lavekar, G. S. (Ed.). (2009). *A Practical Handbook of Panchakarma Procedures-Central Council for*

Research in Ayurveda and Siddha. Central Council for Research in Ayurveda and Siddha.

Lutz, C. A., Mazur, E. E., & Litch, N. A. (2015). *Nutrition and Diet Therapy* (6th ed.). F. A. Davis Company.

Mechanisms, P., Action, O. F., & Massage, F. O. R. (n.d.). *Massage therapy, acupuncture, and reflexology* 3. 23–42.

Mumford, S. (2009). *The massage bible: The Definitive Guide to massage* (Issue December). A Godsfield Book. <https://doi.org/10.1016/j.ijforecast.2014.06.001>

Schlenker, E. D., & Gilbert, J. (2015). *Williams' Essentials of Nutrition and Diet Therapy* (11th ed.). Elsevier, Mosby.

Name of the Course: Disease Specific Pathology Practical-I

Course Code: MS-SCT304

Course Objectives:

Following the completion of the practical training, students shall be able:

1. To demonstrate the laboratory experiments.
2. To recognize the normal and abnormal value of a parameter.
3. To develop the skills of interpreting the results.

Course Outcomes:

This course targets learner's aptitude development to

1. Carry out blood group detection test, hemoglobin, RBC and WBC enumeration test.
2. Demonstrate anemia related pathological test and test as explained in 1.

Mapping of COs to POs

CO	PO1	PO2	PO3
CO1	√	√	√
CO2	√	√	√

Course Content

Units	Title	COs Addressed
1	Hematology –I	CO1, CO2
2	Hematology-II	CO1, CO2
3	Anemia	CO1, CO2
4	Demonstration	CO1, CO2

Assessment Plan

Total Number of Hrs: 120	Theory	Tutorial	Practical
Credits			4
Hrs/ week			8
SCHEME OF EXAMINATION			
Total Marks: 100			
Theory :		Practical :	

100			
Final Exam (SEE)	Internal Assessment (CT+TA)	Final Exam (SEE)	Internal Assessment (CT+TA/PR)
		70	30

UNIT 1: Hematology –I [15 Hrs]

Blood groups (ABO system); Estimation of hemoglobin; Enumeration of RBCs (RBC count); Total leucocyte count (Total count);

UNIT 2: Hematology-II [15 Hrs.]

Differential leucocyte count (DC); Peripheral smear staining and reporting; Absolute eosinophil count

UNIT 3: Anemia-I [15 Hrs.]

Anemia: Hemograms in anemia, Iron deficiency anemia, Macrocytic anemia, Microcytic anemia, Hemolytic anemia

UNIT 4: Demonstration [15 Hrs.]

All candidates are expected to demonstrate the Unit-I experiments and explain the same in the practical records.

REFERENCE BOOKS:

Practical Manual by Harsh Mohan

Medical Laboratory Technology– Ramnik Sood

Name of the Course: Evidence Based Yoga Therapy-I

Course Code: MS-SCT305

Course Objectives:

Following the completion of these practical, students shall be able to:

1. Demonstrate the yoga practices specific to a particular ailment.
2. Explain the principles and procedure of each practice.

Course Outcomes:

This course targets empowerment of learner's aptitude to

1. Prescribe and implement integral yoga therapy protocol for prevention and mitigation of anemia, Musculo- skeletal, GIT diseases.
2. Prepare case study of the five different patients having disease related to musculoskeletal and GIT diseases.

Mapping of COs to POs

CO	PO1	PO2	PO3
CO1	√		
CO2	√	√	

Course Content

Units	Title	COs Addressed
1	Special techniques for Anaemia	CO1, CO2
2	Cancer and autoimmune diseases	CO1, CO2
3	Musculo skeletal diseases	CO2,
4	Gastrointestinal disorders	CO2,

Assessment Plan

Total Number of Hrs: 60		Theory	Tutorial	Practical
Credits				2
Hrs/ week				4
SCHEME OF EXAMINATION				
Total Marks: 100				
Theory : 100		Practical :		
Final Exam (SEE)	Internal Assessment (CT+TA)	Final Exam (SEE)	Internal Assessment (CT+TA/PR)	
		35	15	

UNIT 1: Special techniques for Anaemia [15 hrs.]

Set of practices required for Anaemia and other associated haematological complications need to be taught.

UNIT 2: Cancer and autoimmune diseases [15 Hrs.]

Set of practices required for Cancer and Auto immune complications need to be taught.

UNIT 3: Musculo skeletal diseases [15 Hrs.]

Set of practices required for Muscular and skeletal diseases need to be taught.

UNIT 4: Gastrointestinal disorders [15 Hrs.]

Set of practices required for gastro intestinal diseases need to be taught.

Note:

Please note that the disease specific technique includes Asana, pranayama, suryanamaskara, asana, pranayama, mudra, bandhas, kriyas and meditation techniques.

REFERENCE BOOKS:

Patanjali Research Foundation. (2015). *Research Publications*. Haridwar, India: DivyaPrakashan

Ramdev, S. (2006). *Yoga Sadhana and Yoga Chikitsa Rahasya*. Haridwar, India: DivyaPrakashan.

Ramdev, S. (2009). *Pranayam Rahasya*. Haridwar, India: Divya Prakashan.

Balkrishna, A. (2007). *Yoga in synergy with medical science*. Haridwar, India: DivyaPrakashan Books™

Balkrishna, A. (2017). *Yoga Vigyanam*. Haridwar, India: Divya Prakashan.

Name of the Course: Field Training-I

Course Code: MS-FW306

Course Objectives:

Following the completion of this field training, students shall be able to:

1. Demonstrate the yoga practices specific to a particular ailments confidently.
2. Apply practical knowledge and skills about the disease specific yoga techniques.

Course Outcomes:

This course targets empowerment of learners to

1. Prescribe and implement integral yoga protocol, dietary recommendation and lifestyle for health promotion and therapy.
2. Report promotive, preventive and therapeutic effects of yoga protocol dietary recommendation and life style moderation.

Mapping of COs to POs

CO	PO1	PO2	PO3
CO1	√		
CO2	√	√	

Assessment Plan

Total Number of Hrs: 120		Theory	Tutorial	Practical
Credits				4
Hrs/ week				8
SCHEME OF EXAMINATION				
Total Marks: 100				
Theory : 100		Practical :		
Final Exam (SEE)	Internal Assessment (CT+TA)	Final Exam (SEE)	Internal Assessment (CT+TA/PR)	
		70	30	

Instructions:

During field training students are expected to carry out the following tasks.

1. Involve themselves during practical session.
2. Understand how to take case history
3. Gain the knowledge of recording the common parameters specific to disease.

Note:

Students need to spend 2 hours every day in the hospital set up where the patients undergo their yoga treatment.

Examination:

Students shall be examined based on the knowledge acquired with respect to parameter and the case history.

Name of the Course: Project Work-I

Course Code: MS-PW307

Course Objectives:

Following the completion of this project work, students shall be able to:

1. Carry out small scale research projects.
2. Generate, present, analyze and interpret data.
3. Draw inferences and apply them.

Course Outcomes:

This course targets empowerment of learner's aptitude to

1. Design and carry out mini research projects.
2. Draft dissertation and research paper for scholarly publications.

Mapping of COs to POs

CO	PO1	PO2	PO3
CO1	√		
CO2	√	√	

Assessment Plan

Total Number of Hrs: 120	Theory	Tutorial	Practical
Credits			4
Hrs/ week			8
SCHEME OF EXAMINATION			
Total Marks: 100			
Theory : 100		Practical :	
Final Exam (SEE)	Internal Assessment (CT+TA)	Final Exam (SEE)	Internal Assessment (CT+TA/PR)
		70	30

Note:

- During this time, candidates are expected to carry out the following task
- Meet guide at least once to report the progress.
- Spend time every day for recording the data.

Examination:

Students shall be examined based on the presentation of their synopsis and progression of the project work.

Name of the Course: Disease specific Pathology-II

Course Code: MTSS401

Course Objectives:

This course targets to

1. Explain concept, etiopathogenesis and complications of various non-communicable diseases and the body's capacity for their healing.
2. Discuss cardiovascular, respiratory and renal disorders.
3. Discuss pathogenesis of endocrine, nervous, obstetrics and gynecological disorders.

Course Outcomes:

This course targets empowerment of learners to

1. Identify etiopathogenesis factors and markers related to cardiovascular, respiratory, nervous, endocrine, genitourinary disorders/disease.
2. Recognize normal and abnormal level of disease specific pathological markers.

Mapping of COs to POs

CO	PO1	PO2	PO3
CO1	√	√	
CO2	√		√

Course Content

Units	Title	COs Addressed
1	Cardiovascular and respiratory pathology	CO1, CO2
2	Nervous and endocrine pathology	CO1, CO2
3	Obstetrics, Gynecologic and Renal pathology [CO2

Assessment Plan

Total Number of Hrs: 120		Theory	Tutorial	Practical
Credits				4
Hrs/ week				8
SCHEME OF EXAMINATION				
Total Marks: 100				
Theory : 100		Practical :		
Final Exam (SEE)	Internal Assessment (CT+TA)	Final Exam (SEE)	Internal Assessment (CT+TA/PR)	
		70	30	

Mapping Assessment with COs

S.No.	Assessment type	CO1	CO2
1	Internal Examination	√	√
2	Semester End Examination	√	√

UNIT 1: Cardiovascular and respiratory pathology [15 Hrs.]

Rheumatic fever and Rheumatic Heart Disease: Pathogenesis, Morphology and effects; Atherosclerosis and Ischemic Heart Disease; Myocardial Infarction; Diseases of blood vessels

other than atherosclerosis; Hypertension, its type and Hypertensive Heart Disease; Structure of Bronchial tree and alveolar walls, concept of obstructive and restrictive lung disorders, Inflammatory diseases of bronchi: chronic bronchitis, bronchial asthma, bronchiectasis, chronic obstructive lung disease, Pneumonias: Lobar, Broncho, Interstitial; Pulmonary suppuration including lung abscess: Etiopathogenesis and Morphology;

UNIT 2: Nervous and endocrine pathology [15 Hrs.]

Structural Organization, specific cell types, and reaction patterns; Inflammatory disorders: Pyogenic and tuberculous meningitis; CSF and its disturbances: cerebral edema, raised intracranial pressure; Cerebrovascular diseases : Atherosclerosis, thrombosis, embolism, aneurysm, Hypoxia, Infarction and Hemorrhage; Scope of endocrine control and Investigations; Diabetes Mellitus: Types, Pathogenesis, pathology, Non-neoplastic lesions of thyroid, hypo & hyper thyroids: Iodine deficiency goiter, autoimmune thyroiditis, thyrotoxicosis, myxedema,

UNIT 3: Obstetrics, Gynecologic and Renal pathology [15 Hrs.]

Physiology of normal pregnancy, diagnosis of pregnancy, routine antenatal care, management of common symptoms in pregnancy, investigations to be carried out in pregnancy; Hypertensive disorders in pregnancy, Anemia in Pregnancy : Heart disease in pregnancy; Antepartum hemorrhage; Intrauterine Growth Restriction (IUGR); Rhesus Negative Pregnancy; Disorders of liver, kidneys in pregnancy; Multiple pregnancy; Puerperium, and its complications; Renal structure, basis of impaired function, urine analysis; Glomerulonephritis: Classification, Primary Proliferative and Non Proliferative; Secondary Glomerulonephritis : Diabetes; Nephrotic Syndrome; Acute Renal Failure : Acute tubular and

cortical necrosis; Renal vascular disorders, kidney changes in Hypertension; Renal Malformations : Polycystic kidneys;

REFERENCE BOOKS:

Basic Pathology - Kumar, Cotran – Saunders

Clinical Laboratory Methods - Ramniksood – Jaypee

G.C.DeGruchy Clinical - David Penington - CBS Publishers & Haematology in medical
Bryan Rush Distributors Peter Castaldi

General Pathology - Walter & Israel –

Illustrated Pathology - Govans - ELBS Edition

Pathologic Basic of Disease- Kumar, Cotran– Saunders Collins

Test Book of Pathology - Andersons - C.V. Mosby Volume I & II Company

Lazaris, A. C. (2018). *Clinical Genitourinary Pathology: A case-based learning Approach*.
(A. C. Lazaris, Ed.). Cham, Switzerland: Springer. doi://doi.org/10.1007/978-3-319-
72194-1

Lewin, K. J., Riddell, R. H., & Weinstein, W. M. (2014). *Gastrointestinal pathology and its
clinical implications* (2nd ed., Vol. I). Philadelphia, PA: Wolters Kluwer health.

Simpkins, A. M., & Simpkins, C. A. (2011). *Meditation and Yoga in Psychotherapy:
Techniques for Clinical Practice* (2011th ed.). Hoboken, New Jersey: John Wiley &
Sons, Inc.

Horbury, T. (2006). Basic statistics. *National Center for HIV/AIDS, Viral Hepatitis, Sexual
Transmitted Diseases and Tuberculosis Prevention*, (April).
<http://www.cdc.gov/hiv/basics/statistics.html>

Strayer, D. S., & Rubin, E. (2015). *Rubin's Pathology Clinicopathologic Foundations of
Medicine*. Philadelphia, PA: WoltersKluwer.

Name of the Course: Evidence Based Yoga Therapy-II

Course Code: MS-SCT402

Course Objectives:

After the completion of the program, the students should be able to

1. Discuss relative contribution of each organ system to the homeostasis.
2. Illustrate the physiological response and adaptations to environmental stresses.
3. Independently handle a patient to prescribe and administer yoga therapy.

Course Outcomes:

1. This course targets empowerment of learners to List physiological principles underlying pathogenesis and management of disorders related to respiratory, cardiovascular, metabolic, neurological and psychic systems.
2. Recognize principles and factors of yoga therapy for prevention and managing diseases related to respiratory, cardiovascular, metabolic, neurological and psychic systems.
3. Design and implement yoga therapy protocol for prevention and mitigation of the diseases related to above systems.

Mapping of COs to POs

CO	PO1	PO2	PO3
CO1	√		
CO2	√		
CO3		√	√

Course Content

Units	Title	COs Addressed
1	Respiratory Disorders	CO1, CO2
2	Cardiovascular and Metabolic Disorders	CO1, CO2
3	Neurological Disorders	CO2, CO3
4	Psychiatric Disorders	CO2, CO3

Assessment Plan

Total Number of Hrs: 60		Theory	Tutorial	Practical
Credits		3	1	0
Hrs/ week		3	1	0
SCHEME OF EXAMINATION				
Total Marks: 100				
Theory : 100		Practical :		
Final Exam (SEE)	Internal Assessment (CT+TA)	Final Exam (SEE)	Internal Assessment (CT+TA/P R)	
70	30			

Mapping Assessment with COs

S.No.	Assessment type	CO1	CO2	CO3
1	Internal Examination	√	√	
2	Semester End Examination	√	√	√

UNIT 1: Respiratory Disorders [15 Hrs.]

Respiratory Disorders: Introduction to Respiratory disorders, Brief classification – Obstructive, Restrictive, infectious and inflammatory, Introduction to Pulmonary function tests and their principles, Bronchial Asthma: Definition, Pathophysiology, Classification, Clinical Features, Medical Management and Yogic Management, Allergic Rhinitis & Sinusitis: Definition, Pathophysiology, Classification, Clinical Features, Medical Management and Yogic Management; COPD: Chronic Bronchitis, Definition, Pathophysiology, Classification, Clinical Features, Medical Management and Yogic Management; Emphysema: Definition, Pathophysiology, Classification, Clinical Features, Medical Management and Yogic Management; Infectious Disorders: Tuberculosis: Definition, Pathophysiology, Classification, Clinical Features, Medical Management and Yogic Management; Pneumonia: Definition, Pathophysiology, Classification, Clinical Features, Medical Management, Yogic Management; Interstitial Lung Disease / Idiopathic pulmonary fibrosis: Definition, Pathophysiology, Classification, Clinical Features, Medical Management, Yogic Management

UNIT 2: Cardiovascular and Metabolic Disorders [15 Hrs.]

Introduction to Cardiovascular disorders; Hypertension: Definition, Pathophysiology, Classification, Clinical Feature, Medical Management, Yogic Management; Atherosclerosis / Coronary artery disease: Definition, Pathophysiology, Classification, Clinical Features Medical Management and Yogic Management; Ischemic Heart disease – Angina pectoris / Myocardial Infarction/ Post-CABG rehab. Definition, Pathophysiology, Classification, Clinical Features, Medical Management, Yogic Management; Congestive Cardiac Failure / Cardiomyopathy: Definition, Pathophysiology, Classification, Clinical Features, Medical Management, Yogic Management; Cardiac asthma: Definition, Pathophysiology, Classification, Clinical Features, Medical Management, Yogic Management.

UNIT 3: Neurological Disorders [15 Hrs.]

Headaches, Migraine: Causes, Classification, clinical features, Medical management, Yogic Management; Tension headache: Medical management, Yogic Management; Cerebrovascular accidents: Causes, clinical features, Medical management, Yogic Management; Epilepsy: pain; Autonomic dysfunctions, Causes, clinical features, Medical management, Yogic Management; Parkinson's disease: Causes, clinical features, Medical management, Yogic Management; Multiple sclerosis: Causes, clinical features, Medical management, Yogic Management; Errors of vision of refraction: Causes, clinical features, Medical management, Yogic Management; Hearing impairment: Causes, clinical features, Medical management, Yogic Management

UNIT 4: Psychiatric Disorders [15 hrs.]

Introduction to psychiatric disorders, classification – Neurosis, Psychosis; Neurosis: Anxiety disorders; Generalized anxiety disorder; Panic Anxiety; Obsessive Compulsive Disorder; Post-traumatic stress disorder; Phobias, Medical Management, Yogic Management; Depression, Dysthymia, Major depression, Medical Management, Yogic Management; Psychosis-Schizophrenia: Bipolar affective disorder, Medical Management, Yogic Management, Mental retardation, Autism, Attention Deficit Hyperactivity Disorders, Medical Management, Yogic Management; Substance abuse– alcohol, tobacco, cannabis abuse, Medical Management, Yogic Management.

REFERENCE BOOKS:

Balkrishna, A. (2007). *Yoga in synergy with medical science*. Haridwar, India: DivyaPrakashan Books™

Balkrishna, A. (2017). *Yoga Vigyanam*. Haridwar, India: Divya Prakashan.

Integrated approach of yoga therapy for positive health-R Nagaratha, H R Nagendra

Patanjali Research Foundation. (2015). *Research Publications*. Haridwar, India: DivyaPrakashan

Ramdev, S. (2006). *Yoga Sadhana and Yoga Chikitsa Rahasya*. Haridwar, India: DivyaPrakashan.

Ramdev, S. (2009). *Pranayam Rahasya*. Haridwar, India: Divya Prakashan.

Yoga for common ailments and IAYT for different diseases –R. Nagarathana, H R Nagendra and Shamantakamani Narendran

Yoga for common disorders- Swami KoormanandaSaraswati

Name of the Course: Elective-II (Choice Based)**Course Code: MS-DSTE403**

(Complementary & Alternative Therapy)

Total Marks (Internal & Final Exam): 100 (70+30)**Course Objectives:**

The teaching-learning of this paper will enable learner to-

1. State concept, prevalence, objectives, types, applications and limitations of CAT&
2. Demonstrate knowledge & skills of therapeutics related to acupressure, pranic healing, and dietary supplements for managing some of the common health problems and rejuvenation.

Course Outcomes:

This course targets empowerment of learners to

1. Outline mind-body medicine, manipulative-body based therapy, energy healing, acupressure and dietary supplements and herbal remedies.
2. Prescribe pertinent mind body practices, massage, pranic healing, acupressure, diet, herbal remedies for the prevention and mitigation of common ailments.

Mapping of COs to POs

CO	PO1	PO2	PO3
CO1	√		
CO2		√	√

Course Content

Units	Title	COs Addressed
1	CAT	CO1, CO2
2	Manipulative-Body Based Therapy (MBT)	CO1, CO2
3	Energy Medicine	CO2
4	Acupressure & Pranic Therapeutics	CO2
5	Biologically Based Products (Dietary Supplements & Herbal Remedies)	CO2

Assessment Plan

Total Number of Hrs: 60		Theory	Tutorial	Practical
Credits		3	1	0
Hrs/ week		3	1	0
SCHEME OF EXAMINATION				
Total Marks: 100				
Theory : 100		Practical :		
Final Exam (SEE)	Internal Assessment (CT+TA)	Final Exam (SEE)	Internal Assessment (CT+TA/PR)	
70	30			

Mapping Assessment with COs

S.No.	Assessment type	CO1	CO2
1	Internal Examination	√	√
2	Semester End Examination	√	√

UNIT 1: CAT

History, Meaning, Definition, Objectives, Types, Prevalence, Contemporary Need, Applications and Limitations. **Mind-Body Therapy:** Origin, Meaning, Definition, Aims, Principles, Factors, Impacts, Prevalence, Applications, and Limitations. Pioneers in MBM in modern era– Swami Ramdev, Acharya Balkrishna, Swami Satyananda, B.K.S. Iyengar, Norman Cousins, Deepak Chopra, Herbert Benson, Dean Ornish, Bernie Siegel, Lorry Dossey; Need of mind body medicine; Mind body relationship and modern medicine: Epidemiological studies, clinical studies, & experimental studies; Placebo and Nocebo.

UNIT 2: Manipulative-Body Based Therapy (MBT)

Meaning, Definition, Aims, Principles, Types, Impacts, Prevalence, Applications, and Limitations. **Acupressure:** Origin, Meaning, Definition, Principles, Five Elements Theory, Chi Clock Cycle, Meridian Systems and Locating Acupoints on 12 Major Meridians and Reflexology.

UNIT 3: Energy Medicine

History, Meaning, Definition, Types, Principles, Applications and Limitations. **Pranic Healing:** Origin, History, Meaning and Sources of Prana; Principles, Law of Action, & Types (Basic, Advanced, and Psychotherapy); **Bio-plasmic body/Aura:** structure, types and size; **Energy Centers (EC):** Meaning, Types (Major, Minor and Mini), Sizes, Colors, Functions and Consequences of their Dysfunctions; Ahartic Yoga & Twin Meditation, Scanning Auras or Chakras, Sweeping and Energizing Procedures.

UNIT 4: Acupressure & Pranic Therapeutics

Low Back Pain, Arthritis, Obesity, Diabetes, Hypertension/Hypotension, Hyper/Hypo Thyroidism, Liver Problem, Allergy, CAD, Anemia, Hyperacidity, Irritable Bowel Syndrome, Colitis, Piles, Migraine, Insomnia, Depression, Chronic Fatigue Syndrome, Epilepsy, Anxiety, Obsessive Compulsive Disorder, Leucorrhoea, Menstrual Disorders, Impotency, Infertility, CSF, Asthma, Pneumonia, Renal Problem, Varicose Veins, Distress, and Myopias.

UNIT 5: Biologically Based Products (Dietary Supplements & Herbal Remedies)

Probiotics and Prebiotics, Antioxidants, Glucosamine Sulfate, Glutamine, Selenium, Curcumin, Multi-vitamins and their Natural Sources, Omega-3 Fatty Acid and Tryptophan; their Functions and natural Sources; Panchagavya (Cow-urine, dung, milk, curd, ghee and Panchagavya ghrī) and their preventive and healing applications.

TEXTBOOK:

Yuan, Chun-Su., & Bieber, E. J. (2003). Textbook of complementary and alternative medicine. New York, NY: The Parthenon Publishing Group.

REFERENCE BOOKS:

Acharya, B. (2004). *Ausadh Darshan*. Haridwar, India: Divya Prakashan.

Acharya, B. (2005). *Ayurveda Jadi-butu Rahasya*. Haridwar, India: Divya Prakashan.

Brahmabarchas. (2003). *Nidan Chikitsa*. Haridwar, India: Ved Mata Gayatri Trust.

Colledge, N. R., Walker, B. R. & Ralston, S. H. (2010). *Davidson's Principles & Practice of Medicine (21st ed.)*. China: Churchill Livingstone, Elsevier.

Holford, P. & Burne, J. (2007). *Food is better medicine than drugs*. Great Britain: Piatkus.

Holford, P. (2014). *Good Medicine*. Great Britain: Piatkus.

Joshi, S. A. (2011). *Nutrition and dietetics with Indian case studies*. New Delhi, India: Tata McGraw-Hill.

Lian, Yu-Lin; Chen, Chun-Yan; Hammes, M. & Kolster, B. C. (2005). *Pictorial atlas of acupuncture: An illustrated manual of acupuncture points*. Solvenia: h. f. ullmann.

Micozzi, M. S. (2015). *Fundamentals of complementary and alternative medicine (5th ed.)*. China. Elsevier Saunders.

Mohan, H. (2010). *Textbook of pathology (6th ed.)*. New Delhi, India: Jaypee Brothers Medical Publishers (P) Ltd.

Patanjali Research Foundation. (2015). *Research Publications*. Haridwar, India: DivyaPrakashan.

Peeters, J. (2008). *Reflexology*. Bath BAIHE, UK: Paragon.

Ramdev, S. (2006). *Yoga Sadhana and Yoga Chikitsa Rahasya*. Haridwar, India: DivyaPrakashan.

Ramdev, S. (2009). *Pranayam Rahasya*. Haridwar, India: Divya Prakashan.

Sah, R. L., Joshi, B., & Joshi, G. (2002). *Vedic health care system*. New Delhi, India: New Age Books.

Sharma, S. (1998). *Jivem Saradm Satam*. Mathura, India: Akhand Jyoti Samsthan.

Sharma, S. (2006). *Diagnose, cure and empower yourself by the currents of breath*. Haridwar, India: Shri Vedmata Gayatri Trust.

Sharma, S. (2010). *Gayatri Mahavigyan (Combined and revised ed.)*. Mathura, India: Yug Nirman Yojana Bistar Trust.

Sharma, S. (2013). *Chikitsa Upchar Ke Vividh Ayam (2nd ed.)*. Mathura, India: Akhand Jyoti Samsthan.

- Sharma, S. (2013). *Nirog Jeevan Ke Mahatopurna Sutra* (2nd ed.). Mathura, India: Akhand Jyoti Samsthan.
- Sharma, S. (2013). *Pran Chikitsa* (2nd ed.). Mathura, India: Akhand Jyoti Samsthan.
- Sui, M. C. K. (2002). *Miracle through pranic healing* (3rd ed.). New Delhi, India: All India Pranic Healing Foundation.
- Sui, M. C. K. (2005). *Advanced pranic healing*. Banglore, India: World India Pranic Healing Foundation-India.
- Sui, M. C. K. (2005). *Pranic Psychotherapy* (2nd ed.). Banglore, India: World India Pranic Healing Foundation-India.
- Yogananda, P. (2011). *Journey to self-realization*. Kolkata, India: Yogoda Satsang Society of India.

Name of the Course: Disease Specific Pathology Practical-I

Course Code: MS-SCP404

Course Objectives:

Following the completion of the practical training, students shall be able to:

1. Demonstrate the laboratory experiments.
2. Recognize the normal and abnormal value of a parameter.
3. Develop the skill of interpreting the results.

Course Outcomes:

This course targets empowerment of learners to

1. Carry out and demonstrate microscopic observation of disease pathology.
2. Collect and analyze specimen related to gastric carcinoma, liver cirrhosis and cardiac hypertrophy.
3. Carry out laboratory tests of urine, blood sugar, LFT, RFT, and spirometry for PFT.

Mapping of COs to POs

CO	PO1	PO2	PO3
CO1	√		
CO2	√	√	
CO3		√	√

Assessment Plan

Total Number of Hrs: 120	Theory	Tutorial	Practical
Credits			4
Hrs/ week			8
SCHEME OF EXAMINATION			
Total Marks: 100			
Theory : 100		Practical :	
Final Exam (SEE)	Internal Assessment (CT+TA)	Final Exam (SEE)	Internal Assessment (CT+TA/PR)
		70	30

UNIT 1: Microscopic Observation [15 Hrs.]

Acute myeloid leukemia, Chronic lymphatic leukemia, Anemia: macrocytic, microcytic; Plasmodium falciparum malaria; Acute appendicitis, Gastric carcinoma, Emphysema, Cirrhosis of liver, Myocardial infarction, Pulmonary tuberculosis

UNIT 2: Specimen [15 Hrs.]

Gastric carcinoma, Cirrhosis of liver, cardiac hypertrophy, Appendicitis, Fatty liver

UNIT 3: Laboratory Tests [15 Hrs.]

Urine analysis, Random blood sugar, Fasting and Post prandial blood sugar, Liver and Kidney function test in pathological conditions

UNIT 4: Pulmonary Function Tests [15 Hrs.]

Vital capacity, tidal volume and Peak flow rate in pathological conditions

REFERENCE BOOKS:

Practical Manual by Harsh Mohan

Medical Laboratory Technology– Ramnik Sood

Name of the Course: Evidence Based Yoga Therapy-II

Course Code: MS-SCT405

Course Objectives:

Following the completion of this course, students shall be able to:

1. Plan principles, procedure, indications and contraindications of yoga practices.
2. Design, demonstrate and apply the yoga practices specific to a particular ailment.

Course Outcomes:

This course targets learner's aptitude development to

1. Design and implement disease specific integral yoga therapy protocol.
2. To report impacts of implemented YTP targeting specific disease.

Mapping of COs to POs

CO	PO1	PO2	PO3
CO1	√		
CO2	√	√	√

Course Content

Units	Title	COs Addressed
1	Disease specific techniques for Respiratory Disorders	CO1, CO2
2	Disease specific techniques for Cardiovascular Disorders	CO1, CO2
3	Disease specific techniques for Neuro-endocrine Disorders	CO1, CO2
4	Disease specific techniques for Psychiatric and Obstetric & Gynecological Complications	CO1, CO2

Assessment Plan

Total Number of Hrs: 60	Theory	Tutorial	Practical
Credits			2
Hrs/ week			4
SCHEME OF EXAMINATION			
Total Marks: 100			
Theory : 100		Practical :	
Final Exam (SEE)	Internal Assessment (CT+TA)	Final Exam (SEE)	Internal Assessment (CT+TA/PR)
		35	15

UNIT 1: Disease specific techniques for Respiratory Disorders [15 hrs.]

Set of practices required for respiratory disorders need to be taught.

UNIT 2: Disease specific techniques for Cardiovascular Disorders [15 Hrs.]

Set of practices required for cardiovascular disorders need to be taught.

UNIT 3: Disease specific techniques for Neuro-endocrine Disorders [15 Hrs.]

Set of practices required for Neuro-endocrine diseases need to be taught.

UNIT 4: Disease specific techniques for Psychiatric and Obstetric &

Gynaecological Complications [15 Hrs.]

Set of practices required for Psychiatric and Obstetric & Gynecological complications need to be taught.

Note:

Please note that the disease specific technique includes Asana, pranayama, suryanamaskara, asana, pranayama, mudra, bandhas, kriyas and meditation techniques.

Name of the Course: Field Training-II

Course Code: MS-FW406

Course Objectives:

Following the completion of this field training, students shall be able to:

1. Apply yogic principles and practices specific to a particular disease.
2. Gain more practical knowledge about the disease specific yoga techniques

Instructions:

During field training students are expected to carry out the following tasks.

1. Involve themselves during practical session.
2. Understand how to take case history.
3. Gain the knowledge of recording the common parameters specific to disease.

Course Outcomes:

This course targets development of learners to

1. Make social interaction and implementation of learned yogic behaviors to solve biological, psychological, social and spiritual problems of an individual and group.
2. Conduct and report field work/s.

Mapping of COs to POs

CO	PO1	PO2	PO3
CO1	√		
CO2	√	√	√

Assessment Plan

Total Number of Hrs: 120		Theory	Tutorial	Practical
Credits				4
Hrs/ week				8
SCHEME OF EXAMINATION				
Total Marks: 100				
Theory : 100		Practical :		
Final Exam (SEE)	Internal Assessment (CT+TA)	Final Exam (SEE)	Internal Assessment (CT+TA/PR)	
		70	30	

Note:

Students need to spend 2 hours every day in the hospital set up where the patients undergo their yoga treatment.

Examination:

Students shall be examined based on the knowledge acquired with respect to parameter and the case history.

Name of the Course: Project work-II

Course Code: MS-PW407

Course Objectives:

Following the completion of this project work, students shall be able to:

1. Carry out small scale research projects.
2. Collect, present, analyze and interpret data.
3. Infer and apply research findings.

Course Outcomes:

This course targets empowerment of learner's to

1. Design, conduct and report mini research projects.
2. Draft and publish research papers in scholarly journals.

Mapping of COs to POs

CO	PO1	PO2	PO3
CO1	√		
CO2	√	√	√

Assessment Plan

Total Number of Hrs: 120	Theory	Tutorial	Practical
Credits			4
Hrs/ week			8
SCHEME OF EXAMINATION			
Total Marks: 100			
Theory : 100		Practical :	
Final Exam (SEE)	Internal Assessment (CT+TA)	Final Exam (SEE)	Internal Assessment (CT+TA/PR)
		70	30

Note:

- During this time, candidates are expected to analyse the data with the help of guides.
- Organize and represent the data.
- Write the dissertation and complete the presentation.
- Project II shall be the continuation of Project I

Examination:

Students shall be examined based on the presentation of project work and the quality of the research work.

University of Patanjali, Haridwar
M.A. in Yoga Science
2019-2020
Syllabus

Preamble

The tradition of Yoga has always been passed on individually from teacher to student through oral teaching and practical demonstration. The formal techniques that are now known as Yoga are, therefore, based on the collective experiences of many individuals over many thousands of years. The particular manner in which the techniques are taught and practiced today depends on the approach passed down in the line of teachers supporting the individual practitioner. Yoga is essentially a spiritual discipline based on an extremely subtle science, which focuses on establishing harmony between mind, body; thought and action; restraint and fulfilment; harmony between man and nature and a holistic approach to health and wellbeing. Yoga is not about exercise but to discover the sense of oneness with ourselves, the world and Nature. It is an art and science for healthy living.

The word "Yoga" is derived from the Sanskrit root 'yuj' meaning "to join", "to yoke" or "to unite". Therefore, the aim of yoga is to unite the individual consciousness with the supreme consciousness. Yoga is a science and art of living; also it is a body of techniques that lead us to consciously connect with ourselves and with life, the experience of yoga. As yoga is an art and science, there is no dogma or belief system attached to it. Yoga tells us to do a certain practice and feel their effect following the practice, e.g. if we breath slowly in a relaxed manner we will slow our heart rate; if we focus the mind we will develop mental peace and deep insight.

In addition to this, Yoga is becoming popular day by day and has become a wave which is sweeping across the globe. In this course we introduce yoga as a science of Holistic living and not merely as yoga postures. During the course, the student is taught the fundamental & advanced concepts of Yoga as well as the techniques for the treatment and prevention of various psychosomatic and life style related ailments.

I. Title of the Programme The programme shall be called "M. A. in Yoga Science"

II. Aim of the Programme The aim of the programme is to produce "Yoga professionals for academic & therapeutic fields"

III. Objectives of the programme

Deeper Understanding of Yoga: To make students understand the classical nature of Yoga & giving them the in-depth knowledge of its various components.

Prevention: To introduce yoga as therapy, its principles and practices of yoga for prevention of various lifestyles, non-communicable and psychosomatic disorders.

Promotion of positive health: To prepare them for giving talks and offer techniques to promote healthy yogic life style.

Program Outcome

PO1. Have an integrated knowledge of the various disciplines in multidisciplinary field of Yoga Science

PO2. Acquire and be equipped with skills in the application of theoretical knowledge on different subjects within the board filed of Yoga science.

PO3. Will be able to practice for real life problem solving in an increasing complex and dynamic Yoga world.

PO4. Develop ability of focused research and thinking process mastering complex skills that are grounded in and guided by systematic theory and research

PO5. Will be well informed, ethical and committed citizens contributing to the Yoga development

Program Specific Outcome

PSO1: Apply and demonstrate various yogic activities, naturopathy techniques and yogic therapies for recovery from disease and promotion of health.

PSO2: Design, analyse, modify nutritional programme in consideration with physiological aspects, health aspect along with anatomical aspects that will positively affect yogic performance.

PSO3: Apply the basic concept of research process, test and measurement techniques and statistical application for computing result for generalization.

PSO4: Demonstrate and apply various psychological techniques and strategies to enhance performance in yoga and other fields of human life while applying best pedagogical techniques.

PSO5: Demonstrate and apply different yogic practice such as asana, pranayama and meditation and sudhikriya for the prevention of disease and other health benefits for masses.

Scheme of Teaching & Examination

S.N.	Subject Code	Subject Title	Periods per week			Evaluation Scheme				Subject Total
						Seasonal			SEE	
			L	T	P	Credit	CT	TA		
I Year										
Semester I										
1	MA 101	Fundamentals of Yoga	3	1	0	4	20	10	70	100
2	MA 102	Principles of Hath Yoga	3	1	0	4	20	10	70	100
3	MA 103	Introduction to Shrimad Bhagavad-Gita and Samkhya karika	3	1	0	4	20	10	70	100
4	MA 104	Human Biology I	3	1	0	4	20	10	70	100
5	MA 105	Yoga Practicum	0	0	8	4	20	10	70	100
6	MA 106	Human Biology Practicum	0	0	8	4	20	10	70	100
7	MA CE 01	Communicative English(Non Credit)	3	1	0	0	20	10	70	100

36 Hrs						24	Total			600
Semester II										

1	MA 201	Patanjal Yoga Darshan	3	1	0	4	20	10	70	100
2	MA 202	Indian Philosophy & Culture	3	1	0	4	20	10	70	100
3	MA 203	Yoga Psychology	3	1	0	4	20	10	70	100
4	MA 204	Human Biology-II	3	1	0	4	20	10	70	100
5	MA 205	Yoga Practicum	0	0	8	4	20	10	70	100
6	MA 206	Human Biology Practicum-II	0	0	8	4	20	10	70	100
7	MA CE 02	Communicative English (Non Credit)	3	1	0	0	20	10	70	100
36 Hrs						24	Total			600

II Year

Semester – III

1	MA 301	Methods of Teaching Yoga and Value Education	3	1	0	4	20	10	70	100
2	MA 302	Introduction to Ayurveda	3	1	0	4	20	10	70	100
3	MA 303	Research & Statistical Methods	3	1	0	4	20	10	70	100
4	MA 304	Naturopathy	3	1	0	4	20	10	70	100
5	MA 305	Yoga Practicum	0	0	8	4	20	10	70	100
6	MA 306	Naturopathy Practicum	0	0	8	4	20	10	70	100

7	MA CE 03	Communicative English(Non Credit)	3	1	0	0	20	10	70	100
36 Hrs							24	Total		600
Semester- IV										
1	MA 401	Hygiene, Diet & Nutrition	3	1	0	4	20	10	70	100
2	MA 402	Yoga Therapy	3	1	0	4	20	10	70	100
3	MA 403	Complementary & Alternative Therapy (CAT)	3	1	0	4	20	10	70	100
4	MA 404	Dissertation/Field Training	3	1	0	4	20	10	70	100
5	MA 405	Yoga Practicum	0	0	8	4	20	10	70	100
6	MA 406	Complementary & Alternative Therapy Practicum	0	0	8	4	20	10	70	100
7	MA CE 04	Communicative English (Non Credit)	3	1	0	0	20	10	70	100
36 Hrs							24	Total		600
Total number of Credits							96	Total Marks		2400

L - Lecture, T-Tutorial, P-Practical (practice/ field), CT- Cumulative Tests,
TA - Teachers Assessment, SEE - Semester Examination

Name of the Course: Fundamentals of Yoga**Course Code: MA -101****Objectives**

The course has been designed to improve English communication of the students.

Following the completion of this course, students shall be able to

- Introduce Yoga and its main streams.
- Become familiar with the nature of yoga in various texts of Indian knowledge tradition.
- Get acquainted with the history of yoga and its basis.

Course Outcome:

On completion of this course, the students will have:

CO1: Students will know the exact face of yoga and will not mislead the society by gaining correct knowledge about origin of yoga.

CO2: Student will be capable to know the journey of yoga and how it varied with the time by gaining the knowledge about lineages of yoga.

CO3: The biographies of yogis would motivate the students to apply yoga in his/ her own life and through this they would improve their quality of life.

Total number of hours 60		Theory	Tutorial	Practical
Hrs / week		3	1	0
Scheme of Examination				
Total Marks 100				
Theory : 100			Practical : 0	
Final Exam	Internal Assessment	Final Exam	Internal Assessment	
70	30			

Unit-1: General Introduction to Yoga (12 hours)

Origin of Yoga, Psychological basis for origin of Yoga, History and development of Yoga (Vedic period, Darshan period, Commentary period, Bhakti Yoga and Hatha Yoga period, Modern period), Etymological meaning and definition of Yoga, Purpose of yoga, Current misconceptions regarding yoga, Major principles of yoga, Yoga practices for healthy life, Importance of yoga in present age.

Unit - 2: Basis of Yoga and Tradition of Yoga - I (12 hours)

General introduction of Vedas, Upanishads and Ayurveda in yogic context, General introduction of Samkhya, Yoga and Vedanta philosophy (in yogic context), General introduction of Bhagavadgita (in yogic context), General introduction of Puranas (in yogic context), Yoga in Yog Vashishtha and Narada Bhakti Sutra, Brief Introduction to Yoga in Jain Philosophy and Buddhist Philosophy, Bhakti Yoga of Medieval Saints (Kabir, Nanak and Sufism)

Unit - 3: Basis of Yoga and Tradition of Yoga - II (12 hours)

General introduction of Tantra and its currents (Shaiva, Shakta, Vaishnava, Buddhist Tantra), Concept of Shiva and Shakti, Yoga in

Shaivite and Shakta Tantras, Concept of Nadi and Prana, Kundalini, Kundalini Shakti and Shatchakra Sadhana, Impact of Tantra in Hatha Yoga Tradition and Sadhana.

Unit - 4: Major Streams of Yoga (12 hours)

Concepts of major streams of yoga and introduction of their limbs with the effects - Gyan Yoga, Bhakti Yoga, Karma Yoga, Ashtanga Yoga, Kriya Yoga, Hatha Yoga and Mantra Yoga

Unit - 5: Introduction to Renowned Yogis (12 hours)

Introduction (life & works) of the great yogis of India - Maharishi

Patanjali, Maharishi Vyas, Maharishi Kapil Muni, Adi

Shankaracharya, Maharishi Dayanand Saraswati, Swami

Vivekananda, Maharishi Arvind, Swami Kuvalayananda, Maharishi

Raman, Yogarishi Swami Ramdev

Prescribed text book

1. योगदर्शनम- स्वामीरामदेव, दिव्यप्रकाशन, ँतंजलियोगपीठ, हरिद्वार
2. दर्शनप्रवेश- दिव्यप्रकाशन, ँतंजलियोगपीठ, हरिद्वार
3. योगकेमूलभूतसिद्धांत - आचार्यबालकृष्णजी, दिव्यप्रकाशन, ँतंजलियोगपीठ, हरिद्वार
4. गीतारहस्य (निर्धारित ँठ्यांश)- लोकमान्यतिलक
5. भारतकेमहानयोगी- विश्वनाथमुखर्जी
6. तंत्रदर्शन - स्वामीनिरंजनानंद ँरमहंस - ँचदशनामअल ँ बाडा, देवघर, बिहार
7. Sharma, Chandradhar: A Critical Survey of Indian Philosophy. Motilal Banarasi Das, Delhi, 2013

BOOKS FOR REFERENCE:

1. Agarwal MM: Six systems of Indian Philosophy, Chowkhambha Vidya Bhawan, varanai, 2010
2. Swami Bhuteshananda: Nararad Bhakti Sutra, Advaita Ashrama Publication-Dept. Kolkata, II Edition, 2009
3. Hiriyanna M: Outlines of Indian Philosophy, Motilal Banarsidas, Delhi, 2009
4. Bhat, Krishnak.: The Power of Yoga: SuYoga Publications Mangalore, 2006
5. Swami Prabhavananda: Spiritual Heritage of India(English). Sri Ramkrishna Math, Madras, 2004
6. Swami Vivekananda: Jnana Yoga, Bhakti Yoga, Karma Yoga, Raja Yoga. Advaita Ashrama, Calcutta, 2000
7. Pandit, M.P.: Introduction to Upanishads: Theosophical Society of India, Adyar, Madras, 1976
8. Dasgupta, S.N.: Hindu Mysticism, Motilal Banarasi dass, Delhi 1927
9. A Search in Mystic India - Paul Brunton

Name of the Course: Principles of Hath Yoga**Course Code: MA -102****Objectives:**

Following the completion of this course, students shall be able to

1. Understand the fundamental principles of Hath Yoga.
2. Explain the understanding of Hath Yoga as a tradition and inculcate the essence.
3. Get acquainted with the tradition, history, its components and modern-day relevance of Hath yoga.

Course Outcome: -

On completion of this course, the students will have:

CO1: Students would know how to define hatha yoga and would be skilled to choose right time, place and season for starting the practice of yoga.**CO2:** Students would know the importance of hatha yoga for better health and success in life.**CO3:** Students will learn the techniques to do shatkarmas, asanas and pranayamas as per hatha pradipika.**CO4:** Students would know the concept of sapt sadhanas of gherand Samhita.

Total number of hours 60		Theory	Tutorial	Practical
Hrs / week		3	1	0
Scheme of Examination				
Total Marks 100				
Theory : 100		Practical : 0		
Final Exam	Internal Assessment	Final Exam	Internal Assessment	
70	30			

Unit-1: General Introduction to Hatha Yoga (12 hours)

Hatha Yoga - Meaning, Definition, Origin, Tradition and Purpose. Prevailing misconceptions regarding Hatha Yoga. Helping and obstructing elements of Hatha Yoga. The Hatha Yogic practice described in Hathayogapradipika. Concept of Math, Manuals for the practitioner of Hatha Yoga, Concept of Mitahar, Pathya & Apathya. Tradition of Hatha Yoga. A brief introduction and contribution of the major yogis of the Nath Yoga tradition. Relations in Hatha Yoga and Raja Yoga.

Prescribed Text Book - हठयोगप्रदीपिका**Unit-2: Practices of Hatha Yoga - Purification and Asanas (12 hours)**

Introduction to purification practices - Purification actions described in Hatha Yoga Pradipika and Gherand Samhita and their method, benefits and precautions. The role of purification practices in yoga sadhana and the importance of purification practices in modern life.

Yogasana: Definition, characteristics and importance in yoga practice. Method, benefits, precautions and importance of asanas in Hatha Yoga Pradipika and Gherand Samhita.
Prescribed Text Book -**हठयोगप्रदीपिकाएव घेरंडसंहिता**

Unit-3: Practices of Hatha Yoga - Pranayama, Bandha and Mudras (12 hours)

Pranayama: Introduction. Method of Proper Respiration, Yogic Deep Breathing. Concept of Inhale (*Purak*), Retention (*Kumbhak*) and Exhale (*Rechak*). Prana, types of prana and sub-prana. Importance of Pranayama in *Hatha Yoga Sadhana*. Method and importance of *Nadishodhana* Pranayama. Preparation for Pranayama. Method, benefits and precautions of Pranayamas in Hatha Yoga Pradipika and Gherand Samhita. Signs of *Hathasiddhi* (success in hathayoga). Bandha: introduction, the importance of bandha-triad in yogasadhana. Main *mudras* in Hatha Yoga Pradipika and Gherand Samhita - their methods, benefits and precautions.

Unit-4: Practices of Hatha Yoga - Pratyahar, Nadanusandhana and Swarodaya Gyan (12 hours)

Pratyahara, *Dharna* and *Dhyana* in Gherand Samhita, their methods, benefits and precautions. *Samadhi*, signs of *samadhi* in Hatha Yoga Pradipika. *Nāda*, the four stages of *Nadānusandhana* and their accomplishments (*siddhis*). Concept of *Swara*, the importance of *Swarodaya Gyan* in Yoga Sadhana (with special reference to Gyan Swarodaya and Shiva Swarodaya).

Unit-5: Introduction and Importance of Major Texts of Hatha Yoga (12 Hours)

Introduction, Purpose and Importance of major texts of Hatha Yoga: Siddha-Siddhantha Paddhati, Goraksha Samhita, Shiva Samhita, Hatha Yoga Pradipika, Gherand Samhita. Hatha Ratnavali: Main applications of hatha yogic activities- preparation of Raja Yoga Practice, achieving holistic health, prevention of diseases, rejuvenation, healing and slow aging.

Prescribed text book

1. हठयोगप्रदीपिका - कैवल्यधाम, लोनावला
2. घेरंडसंहिता - कैवल्यधाम, लोनावला
3. गोरक्षसंहिता - डॉ. चमनलालगौतम (1985)
4. प्राणायामरहस्य - स्वामीरामदेव, दिव्यप्रकाशन, पतंजलियोगपीठ, हरिद्वार
5. Research Publication, P.R.I. Patanjali Yogpeeth

BOOKS FOR REFERENCE:

1. Woodroffe, Sir John: The serpent power, Ganesh & Company, Madras, 2000
2. Woods, J.H. : The Yoga system of Patanjali, M.L.B.D., Delhi, 1988
3. Swami Vivekananda: Rajayoga, Advaita Ashram, Calcutta, 2000
4. Burley, Mikel: Hatha Yoga, Its Context Theory and Practice (M.L.B.D. Delhi, 2000)
5. Burnier, Radha: Hathayoga Pradipika of Svamimarama, The Adyar Library Publications, Chennai

Name of the Course: Introduction to Shrimad Bhagavad Geeta and Samkhyakarika
Course Code: MA -103

Objectives:

Following the completion of this course, students shall be able to

- Understand the main teachings of Bhagvadgeeta
- Become familiar with the nature of yoga in various chapters of Bhagvad Geeta.
- Imbibe the essence of teachings of Bhagavad Geeta.
- Get acquainted with the main teachings of Samkhyakarika.

Course Outcome:

CO1: Students would be capable to introduce Bhagwat Geeta.

CO2: Students will be capable to know the major concepts given/ described in Bhagwat Geeta.

CO3: Students would be skilled to know the different streams of yoga.

Total number of hours 60		Theory	Tutorial	Practical
Hrs / week		3	1	0
Scheme of Examination				
Total Marks 100				
Theory : 100			Practical : 0	
Final Exam	Internal Assessment	Final Exam	Internal Assessment	
70	30			

UNIT-1: Introduction to Srimad Bhagavad Geeta and Jnana Yoga – Elaboration of Atman (Soul), Prakriti (Nature) and Parmataman (Supreme Soul)

(15 hours):

Introduction to the Bhagavad Gita (literal meaning, source and subject matter), the great significance of the Bhagavad Gita and the views of various scholars regarding it, the nature of yoga in the Bhagavad Gita, the relevance of the Bhagavad Gita in the present age. In the Bhagavad Gita - Sankhya Yoga or Jnana Yoga (Chapter-2, 3, 4, 5, 6, 13), form & characteristics of the *Soul*

(Chapter-2), form& characteristics of the Supreme Soul (Purushottama) (Chapter-4, 8, 10, 11, 13, 15), form & characteristics of nature (Chapter-9, 13, 14).

Unit-2: - Karmayoga, Dhyana Yoga and Bhakti Yoga (15 hours):

Concept of Karmayoga (Chapter-2 to 6), Form of *Yajna*, *Yajnartha Karma*, *Nishkam Karma* (Chapter-34), **Lok Sangraha (Chapter-3)**,

Jnana-Karma Co-ordination (Chapter-5), Form of Dhyana Yoga (Chapter -6). Concept of Bhakti and its significance (Chapters7,8,9,11,12), The necessity of devotion in the realization of supreme soul (Chapters-11, Verse-52-55), Types of Bhakti (Chapters-7,12) Characteristics of Devotees (Chapter-12, Verse 13-20).

Unit-3: - Personality, Diet and Concept of Triguna (10 hours):

Role of diet in Yoga practice (Chapter-6), Introduction to *Trigunas* (Chapter-14), Concept of Trigun-based personality (Chapter-17), Elements of personality development, Ideal personality- Divine Wealth (Chapter-16).

Unit-4: Introduction to Samkhyakarika-1 (10 hours):

Sankhyadarshan: introduction, nature of suffering. Introduction of twenty-five elements, discussing *pramana*, concept of *Satkaryavad*, causes for unavailability of *Purusha & Pradhana*, discussing *Vyakta & Avyakta*.

Unit-5: Introduction to Samkhyakarika -II (10 hours):

According to Sankhyadarshan- the nature of *Gunas*, *Purusha* interpretation, characteristics & qualities of intelligence (*Buddhi*). Discussing Thirteen *karanas*, Subtle Body, Bondage - Liberation.

निर्धारितपाठ्यपुस्तक=

1. श्रीमद्भगवद्गीतागीतामृत- योगऋषिस्वामीरामदेवजी, दिव्यप्रकाशन, पतंजलियोगपीठ, हरिद्वार।
2. तत्त्वसमास

सहायकपाठ्यपुस्तक= Shrimadbhagvadgita, Tattvavivechani
Jaydayaal goyandka –Geeta press Gorakhpur

BOOKS FOR REFERENCE:

- Bhawuk, D. P. S. (2011). Spirituality and Indian Psychology: Lessons from the BhagavadGita. New York, NY: Springer. doi:10.1007/9781-4419-8110-3
- Davis, R. H. (2015). The Bhagavad Gita. New Jersey: Princeton University Press. doi:10.2307/40085138
- Easwaran, E. (2011). Essence of the Bhagavad Gita: A Contemporary Guide to Yoga, Meditation & Indian Philosophy. Tomales, CA: Nilgri Press.
- Sivananda, S. (2000). Bhagavad Gita. Rishikesh, India: The Divine Life Society.
<http://www.sivanandadlshq.org>

Name of the Course: Human Biology 1
Course Code: MA -104

Objectives: The teaching-learning of this paper will enable learner to

- 1) Discuss & introduce skeletal system, muscular system, respiratory system, cardio vascular system, lymphatic & immune system with their gross anatomy & physiology
- 2) Discuss anatomical & physiological effects of selected yoga practices on aforesaid human body systems in evidence based way.

Course Outcome:

CO1: Students would get to know the proper knowledge of anatomy and physiology of human being.

CO2: Students would get to know the structure and functioning of different systems in human body.

CO3: Student would get to know yogic effect on different system.

Total number of hours 60		Theory	Tutorial	Practical
Hrs / week		3	1	0
Scheme of Examination				
Total Marks 100				
Theory : 100			Practical : 0	
Final Exam	Internal Assessment	Final Exam	Internal Assessment	
70	30			

Unit-1

Skeletal System: Concept, Types & Functions; Bone: Concept, Types, Number, Gross anatomy & Physiology, & Functions, Bone Cells: Concept, Types & their Functions; Synovial Joints: Concept, types & their features, Spine: Gross Anatomy & Physiology and Functions; Yogic effect on Bone/Skeletal System.

Unit - 2

Muscular System: Concept, Types & Functions; Muscles: Concept, Number, Types, & their Gross Anatomy & Physiology and Functions; Brief introduction, Yogic effect on Muscular System.

Unit - 3

Respiratory System: Concept, Gross Anatomy & Physiology, Types & Functions; Lungs: Gross Anatomy & Physiology and Functions;

Respiration: Concept, Types, Gross Anatomy & Physiology, Breathing Mechanics & Gaseous exchange; Respiratory Control Center; Yogic effect on Respiratory System.

Unit- 4

Cardiovascular System: Concept, Gross Anatomy, Physiology, & Functions; Blood (RBC, WBC & Platelets): Concept, Composition & Functions; Heart: Gross Anatomy, Physiology, Innervation & Functions; Blood Groups; Blood Vessels (Artery, Vein & Capillary): Gross Anatomy & Functions; Cardiac output, Blood Pressure, Circulation: Concept, Types & their mechanisms; Control of cardiac cycle & circulations; Effect of Yoga on Circulatory system.

Unit- 5

Lymphatic system & immune system: Lymphoid organ- Bone marrow, thymus, spleen, lymph node; Composition & function of lymph; Immunity- types of immunity, innate immunity & acquired immunity; Antigen and antibody; Auto immunity.

BOOKS FOR REFERENCE:

- Balkrishna, A. (2007). Yoga in synergy with medical science. Haridwar, India: Divya Prakashan Books
- Coulter, H. D. (2006). Anatomy of Hatha Yoga. Delhi, India: Motilal Banarasidas
- Frawley, D. & Kozak, S. S. (2006). Yoga for your type. New Delhi, India: New Age Books.
- Gore, M.M. (2004). Anatomy and physiology of yogic practices. Lonavala, India: Kanchan Prakashan.
- Gupta, A.P. (2011). Human anatomy and physiology. Agra, India: Sumit Prakashan.
- Guyton, A.C. & Hall, J.E. (2006). Text book of medical physiology (11th ed.). Pennsylvania: Elsevier.
- Kaminoff, L. (2007). Yoga Anatomy. Champaign: Human Kinetics
- Malshe, P. C. (2012). A Medical Understanding of Yoga (2nd ed.). Haridwar, India: Antar Prakash Center for Yoga.
- McCall, T. (2007). Yoga as Medicine: The Yogic Prescription for Health and Healing. New York, NY: Bantam Dell.
- Pandya, K.K. (1998). Human anatomy. Varanasi, India: Krishnadas Academy.
- Patanjali Research Foundation. (2015). Research Publications. Haridwar, India: Divya Prakashan.
- Ramdev, S. (2006). Yoga Sadhana and Yoga Chikitsa Rahasya. Haridwar, India: Divya Prakashan
- Ramdev, S. (2009). Pranayam Rahasya. Haridwar, India: Divya Prakashan.
- Robin, Mel. (2002). A physiological handbook for teachers of yogasana. Arizona: Fenestra
- Robin, Mel. (2009). A Handbook for Yogasana Teachers. Arizona: Wheatmark
- Selvarasu, K. V. (2003). Kriya Cleansing in yoga. Tamil Nadu, India: Yoga Bharati.
- Tortora, G.J. & Derrickson, B.N. (2009). Principles of anatomy and physiology-1 (14th ed.). Hoboken, NJ: Wiley.
- Tortora, G.J. & Derrickson, B.N. (2009). Principles of anatomy and physiology-II (14th ed.). Hoboken, NJ: Wiley.
- Udupa, K. N. (2007). Stress and its management by yoga. Delhi, India: Motilal Banarasidas
- Waugh, A. & Grant, A. (2010). Ross and Wilson: Anatomy and Physiology in Health and Illness (11th ed.). London: Elsevier.
- Khalsa, S., Cohen, L., Call, T. & Telles, S. (2016). The principle and practice of yoga in health care.

Name of the Course: Yoga Practicum
Course Code: MA 105

Objectives:

Following the completion of the course, students shall be able to:

- Understand the benefits, contraindications and procedure of all practices.
- Demonstrate each practice with confidence and skill.
- Explain the procedure and subtle points involved.
- Teach the yoga practices to any given group.

Course Outcome:

CO1: Students will be skilled to do practice shatkarmas own self and to others also.

CO2: Students would be capable to conduct/ organise the yoga camp for the general population.

CO3: Students would be capable to learn different soft skills and yoga skills through different techniques of yoga.

•Total number of hours 60		Theory	Tutorial	Practical
Hrs / week		0	1	3
Scheme of Examination				
Total Marks 100				
Theory : 0		Practical : 100		
Final Exam	Internal Assessment	Final Exam	Internal Assessment	
		70	30	

Shatkarma: Jalneti, Rabarneti, Vamana Dhauti / Kunjar Kriya, Vatkarma, Kapalbhathi.

-15 marks
- 25 marks

Asana

Sukshma Vyayam (Pawan mukta Asana) -1, Yogic Jogging, 12 Asanas (Mandukasana, Shashakasana, Gomukhasana, Vakrasana, Makarasana, Bhujangasana, Shalabhasana, Markatasana, Pawanmuktasana, Halasana, Padvrittasana, Dwi-Chakrikasana and Shavasana)
Siddhasana, Kati chakrasana, Ardhahalasana, Padmasana, Vajrasana

Swastikasana, Veerasana, Udarakarsansana,
Bhadrasana, Janushirasana, Ardhamatsyendrasana,
Gomukhasana, Ustrasana, Uttanapadasana,
Naukasana, Sarvangasana, Hal asana,
Matsyasana, Suptavajrasana, Chakrasana,
Tadasana, Tiryak Tadasana, Ek paad pranamasana,
Vrikshasana, Garudasana, Hastotansana,
Padahastasana, Trikonasana, Ardhadhanurasana,
Marjari asana, Ardhashalbhasana, Bhujangasana,
Makarasan, Shavasana,
Samakonasana, Bakasana, Sarpasana, Hanumanasana,
Sukhasana, Ardhpadmasana, Ek Pada Halasana,
Setubandhasana, Markatasana, Shashankaran,
Vipreet naukasana, Dwikonasana, Parshvatanasana,
Singhasana,

Pranayama

-10 marks

Diaphragmatic Breathing, Pranayama: Kapalbhathi, Bhastrika, Bahya, Ujjayi, Anulom-Vilom,
Nadi Shodhan, Bhramari and Udgith

Mudra & Bandha: Jnana Mudra, Chin Mudra, Vipreet Karni Mudra,

Yoga Mudra, Jalandhar Bandh, Uddiyan Bandh, Moolbandha - 10 marks

Viva: Ishwar Stuti Prarthnopasana

-10 marks

Name of the Course: Human Biology Practicum

Course Code: MA 106

Objectives:

Following the completion of the course, students shall be able to:

- Be familiar with the systems of the body.
- Have a hand on experience about the human body using models, charts and pictures.
- Understand the organization of the body with respect to structural components.

Course Outcome:

CO1: Knowledge of Human Anatomy and Physiology.

CO2: Know different levels of structural complexity.

CO3: Proper understanding of Bones, Joints, and Anthropometric measurements.

Total number of hours 60		Theory	Tutorial	Practical
Hrs / week		0	1	3
Scheme of Examination				
Total Marks 100				
Theory : 0		Practical : 100		
Final Exam	Internal Assessment	Final Exam	Internal Assessment	
		70	30	

Unit-1. Demonstration of Osteology & Myology (15 Hrs.)

Unit-2. Demonstration of Organs & Viscera regarding Cardiopulmonary Systems (15Hrs.)

Unit- 3: Demonstration of Bones and Joints (15Hrs.)

Unit-4. Demonstration of Human Skeleton (15 Hrs.)

Name of the Course: Communicative English (Non Credit) Course Code: MA CE 01

Course Objectives: The course has been designed to improve English communication of the students.

Total number of hours 60	Theory	Tutorial	Practical
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Hrs / week	3	1	0
Scheme of Examination			
Total Marks 100			
Theory : 100		Practical : 0	
Final Exam	Internal Assessment	Final Exam	Internal Assessment
70	30		

Communication:

Communication definition and concept, Process of Communication. Elements of Communication steps/phase of Communication. Means, Methods, Mode of Communication. Verbal-oral-written Communication. Nonverbal-sign language, Body Language. Flow of Communication: Formal/Informal. Barriers of Communication Intrapersonal, interpersonal and organizational barriers. Recapitulation Linguistic Communication Patter of Communication Group Discussion (GD), History of print Media in India.

Grammar and usage:

- i. Noun
- ii. Pronoun iii. Verb, modal, Tenses iv. Adjective v. V. Adverb
- vi. Preposition vii. Conjunction
- viii. Interjection ix. Rules of Translation x. Punctuation
- xi. Capitalization and Abbreviation xii. Subject Verb Agreement
- xiii. Sentences Correction Rules xiv. One-word substitution xv. Active and Passive voice xvi. Direct and Indirect Speech xvii. Direct and Indirect Speech
- Suffixes and prefixes
- Antonyms and synonyms
- Homophones and Homonyms
- Letters Writing

Gift of the Magi-O Henry
 ShrinivasaRamanujan
 MuktaDhara-R.N.Tagore

Readings

Power of Communication: Skills to Build Trust, Inspire Loyalty, and Lead effectively, by Helio Fred Garcia, 2012
 Pune Communicates, Few Connect: 'What the Most Effective People Do Differently, haC. Maxwell, 2010

Interviewing: A Programmed Approach to Effective Communication, by David Dans, Margaret T. Hearn, Max R. Uhlemann and Allen E. Ivey, 2010

Art and Science of Communication: Tools for Effective Communication in the place, by P. S. Perkins and Les Brown, 2008 Listening Effective Groups: The Art of Small Group Communication, by Randy Fujishin,

Semester-II

Name of the Course: Patanjali Yoga Darshan

Course Code: MA -201

Objectives:

Following the completion of this course, students shall be able to

- Introduce Yoga darshan and its main principles.
- Become familiar with the main techniques of yoga prescribed in Yoga Darshan.

Course Outcome:

CO1: Students will be capable of learning Patanjali yoga sutra.

CO2: Students would be skillful in calming the mind by eliminating different vrittis.

CO3: Students will be Skilled to know vrittis of mind.

Total number of hours 60		Theory	Tutorial	Practical
Hrs / week		3	1	0
Scheme of Examination				
Total Marks 100				
Theory : 100			Practical : 0	
Final Exam	Internal Assessment	Final Exam	Internal Assessment	
70	30			

Unit 1: - Introduction of Yogasutra and Samadhi Pada - 1 (20 hours):

Yoga Sutra: Introduction, Definition and Purpose of Yoga, Importance of Yoga Sutra as compared to other Yogic texts, Concept of *Chitta*, *Chitta Bhoomi*, *Chitta vrittis* and their types, *Chitta Vritti Nirodhopaya (Abhyas- Vairagya)*, *Chitta Vikshep (Antaraya)*, *Antarayabhava*, *Chitta Prasadana* and its helpers, The metaphysics of Sankhyadarshana and its relation with Patanjali Yogadarshan.

Unit-2: - Samadhi Pada-II and Sadhan Pada (20 hours): -

Ishwar: Swaroop, Pranava chanting and its results, Ashtanga Yoga - 1 (Bahirang Yoga- Yama, Niyam, Asana, Pranayama, Pratyahara),

Importance and Relevance of Ashtanga Yoga and Kriya Yoga, Concept of Kriya Yoga, Describing *Klesha* , Measures of *Klesha* elimination, *Vivek Khyati* , *Chaturvyuhavaad*, the character of *Drishta*

&*Drishya* , , the form and types of samadhi - *samprajnata*, *asamprajnata*, *sabij* and *nirvij* samadhi. *RitambharaPragya* and *Adhyatma Prasad*.

Unit 3: - Vibhuti Pada - (10 hours)

Ashtanga Yoga - II (*Antaranga* Yoga - Dharna, Dhyana, Samadhi), Concept of *Sanyama* - *Sanyama* and its three consequences, Concept of *Vibhuti* and introduction of main vibhutis, Describing *Ashtasiddhi* .

Unit-4: - Kaivalya Pada (10 hours); -

Five types of Siddhis (birth, medicine, mantra, penance and samadhija), *Nirmaan chitta*.

Types of Karma, *Vaasna*, *Vivek Gyan*, *Dharma Megha Samadhi*, *Kaivalya*

Prescribed text book

योगदर्शनम्- स्वामीरामदेव, दिव्यप्रकाशन, ँतंजलियोगपीठ, हरिद्वार

दर्शनप्रवेश-दिव्यप्रकाशन, ँतंजलियोगपीठ, हरिद्वार

सहायकपुस्तक -

भोजवृत्ति

योगदर्शनम्-गीताप्रेस

BOOKS FOR REFERENCE

BKS Iyengar: Introduction of Patanjali Yogasutra-s: MDNIY, New Delhi, 2011.

Swami Ved Bharti: Yogasutra of Patanjali (with the Exposition of Vyasa) M.L.B.D. New Delhi, 2004, Vol I & II.

Name of the Course: Indian Philosophy & Culture

Course Code: MA -202

Objectives:

Following the completion of this course, students shall be able to

- Introduce Indian Philosophy and its main principles.
- Become familiar with the key features of Indian Philosophy.
- Inculcate the pious essence of Indian Philosophy.

Course Outcome:

CO1: Students would characterise the six Indian philosophies of theistic category.

CO2: Student will be familiarizing with the ancient Indian culture.

CO3: Student will be capable to know the ancient Indian religious texts and could know the importance of values describe in these text.

Total number of hours 60		Theory	Tutorial	Practical
Hrs / week		3	1	0
Scheme of Examination				
Total Marks 100				
Theory : 100		Practical : 0		
Final Exam	Internal Assessment	Final Exam	Internal Assessment	
70	30			

Unit-1: - Introduction to Indian Philosophy (8 hours):

Literal Meaning and Definition of Darshan /Philosophy, Role of Philosophy in Human Life, Key Features of Indian Philosophy, **Bodies of Indian Philosophy: Vedic-Non-Vedic**. The three main areas of philosophy - *Jnana (Pramana) Mimamsa* (epistemology), *Tattva Mimamsa* (Meta physics), *Achar Mimamsa* (ethics).

(Prescribed text book - दर्शनप्रवेश -दिव्यप्रकाशन, ँतंजलियोगपीठ, हरिद्वार

Unit-2: - Introduction to Vedic Philosophy (20 hours):

General introduction and theory (Meta Physics and Ethics)

1. Nyaya Darshan
2. Vaisheshika Darshan
3. Sankhya Darshan
4. Yoga Darshan
5. Mimamsa Darshan
6. Vedanta Darshan

(Prescribed Text Book -दर्शनप्रवेश -दिव्यप्रकाशन, ँतंजलियोगपीठ, हरिद्वार

Unit-3: - Introduction to Jain, Buddhist, Charvak philosophy (20 hours):

General Introduction and Principles (Meta Physics and Ethics)

1. Jain Darshan
2. Buddhist Darshan
3. Charvak Darshan

(Prescribed Text Book - सर्वदर्शनसंग्रह-माधवाचार्य

Unit-4: - Introduction to Culture (12 hours):

Literal meaning and definition of Culture. Concept and importance of Culture. General introduction to the base scriptures of Indian Culture - Vedas, Upanishads, Manusmriti, Mahabharata, Ramayana, Gita.

(Prescribed text book – धर्मदर्शनसंस्कृति -डा. रू० किशोरशास्त्री

Unit-5: - Salient features of Indian culture - (10 hours): -

Purushartha Chatushtaya, Ashram system, Varna system, Principle of Karma, Sixteen rites, Pancha Mahayagya, **Three Debts, Co-existence - Vishwabandhutva**

(Prescribed text book– धर्मदर्शनसंस्कृति -डा. रू० किशोरशास्त्री)

सहायकग्रन्थ-

- 1.दर्शनप्रवेश- दिव्यप्रकाशन, ँतंजलियोगपीठ, हरिद्वार
2. भारतीयसंस्कृतिकाइतिहास-डा) सत्यकेतुविद्यालंकार
3. वैदिकसाहित्यएवंसंस्कृति-क० लदेवद्विवेदी
- 4.मनुउ०देशःविनोबाभावे

5. Teaching yourself philosophy Indian Philosophy-Dr.R.P. Sharma

6. An outline of Indian Philosophy-M. Hiriyanna

Name of the Course: Yoga Psychology**Course Code: MA -203****Objectives:**

Following the completion of this course, students shall be able to

- Become familiar with the relation between ancient yoga & modern psychology.
- Find out the key elements of psychology in Yogic texts.
- Incorporate the techniques of yoga & psychology together to cure mental problems.

Course Outcome:

Following the completion of this course, students shall be able to

CO1: Understand the altered states of consciousness.**CO2:** Know the science of behaviour.**CO3:** Can understand and develop a complete personality.**CO4:** Can define various types of cognitive aspects.**CO5:** Learn the management of common mental disorders.**CO6:** Learn the management of Personality development with Yogic Counselling.

Total number of hours 60		Theory	Tutorial	Practical
Hrs / week		3	1	0
Scheme of Examination				
Total Marks 100				
Theory : 100			Practical : 0	
Final Exam	Internal Assessment	Final Exam	Internal Assessment	
70	30			

Unit-1 Introduction to Psychology (12 hours)

Psychology - word meaning, definition, nature, scope and utility of

Psychology. Goals and branches of Psychology, concept of Psyche in Vedic literature (Ved, Upanishad, Shankhya, Vedant). Behaviour and Consciousness, states of consciousness according to yogic scriptures (Jagrata, svapna, susupti and Turiya).

Unit-2 Yogic Insights on Psychological Concepts (12 hours)

Yogic and Psychological concept of Emotion. Causes of Emotions in the mind according to yoga texts, Physiology of Emotion (Psychological concept), Concept of Personality in Yogic and Psychological Context, types of Personality and personality assessment.

Unit-3 Mental Process and Behaviour (12 hours)

Sensation and Perception (their process and affecting factors), Memory (meaning, definitions, types and affecting factors), disorder related to memory loss (amnesia Alzheimer's and their treatment), Psycho yogic methods to improve memory, Attention (meaning, types and determinants), yogic techniques to improve attention.

Unit-4 Intelligence and Mental Deficiency (12 hours)

Meaning and definitions of intelligence, types of intelligence (Mental, emotional, social and spiritual intelligence), Mental deficiency: meaning and its types, causes of mental deficiency and treatment process to cure mental deficiency through Yoga.

Unit-5 Yogic counselling and Personality development (12 hours)

Concept of counseling, skills of counseling, code of ethics for lay counselors, building counseling relationship (factors that influence the counseling process), building yogic rapport and efficient communication, acceptance, empathy and solving the problems with yogic wisdom.

TEXTBOOKS

1. Abhedananda: The Yoga Psychology, Ramakrishna Vedanta Math, Calcutta, 1973.
2. Sachdev, I. P. Yoga and Depth Psychology (Motilal Banarsi dass, Delhi, 1978)

Name of the Course: Human Biology-II**Course Code: MA -204****Objectives:**

Following the completion of this course, students shall be able to

- Discuss gross anatomy and physiology of human- digestive, genitourinary, nervous, & glandular systems; and selected cognitive senses (eye, nose and ear).
- Discuss anatomical and physiological effects of selected yoga practices (postures, breath regulations, neuro-muscular locks, gestures, concentrations, guided meditations etc.) on aforesaid contents of the human body in an evidence-based way.

Course Outcome:**CO1:** Students would get to know the proper knowledge of anatomy and physiology of human being.**CO2:** Students would get to know the structure and functioning of different systems in human body.**CO3:** Student would get to know yogic effect on different system.

Total number of hours 60		Theory	Tutorial	Practical
Hrs / week		3	1	0
Scheme of Examination				
Total Marks 100				
Theory : 100		Practical : 0		
Final Exam	Internal Assessment	Final Exam	Internal Assessment	
70	30			

Unit I Digestive System

Anatomy-Gross and Histological, Anatomy and Function of - Stomach, Liver, and pancreas; Mechanism of secretion of saliva, Gastric Juice, Pancreatic Juice, Bile, Intestinal secretion - Role of these secretions in digestion of food (Protein, Carbohydrate and Fat); Effects of Yoga on digestive system.

Unit II Genitourinary System

Anatomy (Gross and Histological) of excretory system, Histology and function of Kidney, Glomerulus, Nephron and Renal tubules; Composition and formation process of urine, Urination and its control; Male reproductive system of human -Testis, penis, epididymis, prostate gland; Female reproductive system of human ovary, uterus, vagina, cervix, fallopian tube; Menstrual cycle Gametogenesis-Spermatogenesis and oogenesis; Fertilization; Implantation and embryonic development; Pregnancy; Effect of Yoga on Genitourinary system.

Unit III Nervous System

Gross anatomy of NS; Structure, types and properties of neurons and nerves; Action potential-generation, propagation and influencing factors; Types of NS (CNS and PNS); CNS- Brain (Cerebrum, Cerebellum and Spinal Cord) - Gross anatomy and functions; Functions and important connections of Pons, Medulla, Thalamus, and Hypothalamus; PNS (Cranial and Spinal Nerves)- Gross anatomy and Functions; Autonomic NS-Sympathetic and Parasympathetic (Anatomy and functions); Effect of Yoga on NS.

UNIT IV

Glandular System: Endocrine and Exocrine Gland, Structure and Function of Pituitary Gland Pineal Gland, Thyroid and Parathyroid Gland, Thymus Gland, Adrenal Gland, Ovary, and Testes; Yogic effect on Endocrine System.

Unit V

Special Senses: Eyes Anatomy- Histology of retina; corneal function, Physiology of vision and accommodation; Nose-Gross anatomy and physiology of smell; and Ear- Gross anatomy and Physiology of hearing and balance.

BOOKS FOR REFERENCE

- Balkrishna, A. (2007). Yoga in synergy with medical science. Haridwar, India: Divya Prakashan Books TM
- Coulter, H. D. (2006). Anatomy of Hatha Yoga. Delhi, India: Motilal Banarasidas
- Frawley, D. & Kozak, S. S. (2006). Yoga for your type. New Delhi, India: New Age Books.
- Gore, M.M. (2004). Anatomy and physiology of yogic practices. Lonavala, India: Kanchan Prakashan.
- Gupta, A.P. (2011). Human anatomy and pshysiology. Agra, India: Sumit Prakashan.
- Guyton, A.C. & Hall, J.E. (2006). Text book of medical physiology (11th ed.). Pennsylvania: Elseveir.
- Kaminoff, L. (2007). Yoga Anatomy. Champaign: Human Kinetics
- Kumar, V. (2004). Manav Sarir Samrachna aur sarir kriya vijyan. New Delhi, India: Japee Brothers Medical Publishers (P) Ltd.
- Malshe, P. C. (2012). A Medical Understanding of Yoga (20d ed.). Haridwar, India: Antar Prakash Center for Yoga.
- McCall, T. (2007). Yoga as Medicine: The Yogic Prescription for Health and Healing. New York, NY: Bantam Dell.
- Pandya, K.K. (1998). Human anatomy. Varanasi, India: Krishnadas Academy.
- Patanjali Research Foundation. (2015). Research Publications. Haridwar, India: Divya Prakashan.

Ramdev, S. (2006). Yoga Sadhana and Yoga Chikitsa Rahasya. Haridwar, India: Divya Prakashan.

Ramdev, S. (2009). Pranayam Rahasya. Haridwar, India: Divya Prakashan.

Robin, Mel. (2002). A physiological handbook for teachers of yogasana. Arizona: Fenestra

Robin, Mel. (2009). A Handbook for Yogasana Teachers. Arizona: Wheatmark

Selvarasu, K. V. (2003). Kriya Cleansing in yoga. Tamil Nadu, India: Yoga Bharati.

Tortora, G.J. & Derrickson, B.N. (2009). Principles of anatomy and physiolog-I (14* ed.). Hoboken, NJ: Wiley.

Tortora, G.J. & Derrickson, B.N. (2009). Principles of anatomy and physiology-II (14h ed.). Hoboken, NJ: Wiley.

Udupa, K. N. (2007). Stress and its management by yoga. Delhi, India: Motilal Banarasidas

Waugh, A. & Grant, A. (2010). Ross and Wilson: Anatomy and Physiology in Health and Illness (116 ed.). London. Fleevier

Name of the Course: Yoga Practicum

Course Code: MA 205

Objectives:

Following the completion of the course, students shall be able to:

- 1) State techniques, health benefits, applications, precautions and contraindications of undermentioned yogic practices; & 2) To demonstrate and instruct undermentioned yogic practices.

Course Outcome:

On completion of this course, the students will be able to:

CO1: develop understanding of different yogic techniques.

CO2: attain perfection to perform different yogic practices.

CO3: learn the practical interpretation of Shatkarma.

CO4: conduct practical sessions.

CO5: Conduct Yajya practical sessions

CO6: explain techniques of Pratyahara, Dharana and Dhyana.

•Total number of hours 60		Theory	Tutorial	Practical
Hrs / week		0	1	3
Scheme of Examination				
Total Marks 100				
Theory : 0		Practical : 100		
Final Exam	Internal Assessment	Final Exam	Internal Assessment	
		70	30	

Shatkarma:

-15 marks

Sutraneti, Agnisara, Sheetkram and Vyutkram (Inverse) Kapalbhati and all the practices described in MA 105.

Aasana :

-20 marks

Utkatasan, Paschimottan, Chakrasana,

Vrishabhasan, Natarajasan, Kukkutasana, Kurmasana, Vakrasana,

Hasta Padangushtha, Parvatasana, Akaranadhanurasan Bhunamansan

Baddha Padmasana, Konasana, Ashtavakra, Vayatanasana, Tulsan, Vyaghrasana, Gupta Padam, Garbhasana, Tiryak bhujangasana, Sarpasana, Ardha Chandrasana, Parivritta Janushirasana, Sankat aasana

Pranayama: -10 marks
Suryabhedhi, Chandrabhedhi, Ujjayi, Bahyavritti, Aabhyantar Vritti and all practices of MA-105.

Mudra and Bandha - 10 marks
Shambhavi, Tadagi, Kaki Mudra and Mahabandha
Hasta mudra, Prana and Apana mudra and all the mudras and bandhas mentioned in MA-105.

Mantra & Meditation: - 10 marks

Devyajna Mantras- Meaning, Memorization & Recitation

Viva: - 5 marks

Name of the Course: Human Biology Practicum-II

Course Code: MA 206

Objectives:

Following the completion of the course, students shall be able to:

- Make students familiar with the systems of the body.
- Give a hand on experience about the human body using models, charts and pictures.
- Make students understand the organization of the body with respect to structural components.

Course Outcome:

CO1: Knowledge of Human Anatomy and Physiology.

CO2: Know different levels of structural complexity.

CO3: Proper understanding of Bones, Joints, and Anthropometric measurements.

Total number of hours 60		Theory	Tutorial	Practical
Hrs / week		0	1	3
Scheme of Examination				
Total Marks 100				
Theory : 0		Practical : 100		
Final Exam	Internal Assessment	Final Exam	Internal Assessment	
		70	30	

Unit-1: Demonstration of organs and viscera, digestive and urinary system (15 Hrs.)

Unit-2: Demonstration of nerve cell, nerve/tract, brain and spinal cord [15Hrs.]

Unit-3: Demonstration of gross sites, structures of endocrine glands (15 Hrs.)

Unit-4: Demonstration of gross structures of human ear, eye and nose (15 Hrs.)

Name of the Course: Communicative English (Non Credit)

Course Code: MA CE 02

Course Objectives: The course has been designed to improve English communication of the students.

Course outcome:**CO1:** Develop the ability to speak English language with the right way of pronunciation.**CO2:** Demonstrate the skill to write in English without grammatical error.**CO3:** Develop the confidence to speak in public.

Total number of hours 60		Theory	Tutorial	Practical
Hrs / week		3	1	0
Scheme of Examination				
Total Marks 100				
Theory : 100			Practical : 0	
Final Exam	Internal Assessment	Final Exam	Internal Assessment	
70	30			

Communication:

- I. Recapitulation ii. Face to Face Communication iii. Telephonic Conversation iv. Reading Techniques V. Letter writing vi. Creative Writing vii. Accent viii. Stress ix. Rhythm X. Intonation xi. Seeking Introduction/Introduce oneself xii. Making Enquires xiii. Asking Questions and Discussion

Literature

- i. The Kite Maker by Ruskin Bond ii. RabindraNath Tagore-Chandalika iii. Autumn by Kalidasa(Translated by Arthur W. Ryoler) iv. While the Auto Waits O Henry (Adapted for the stage by walterwykes) v. The Loss by Anjali Shukla.

suggested Readings

- The Power of Communication: Skills to Build Trust, Inspire Loyalty, and Lead Effectively, by Helio Fred Garcia, 2012
- Crucial Conversations Tools for Talking When Stakes Are High, by Kerry Patterson, Joseph Grenny, Ron McMillan and Al Switzler, 2011
- Everyone Communicates, Few Connect: What the Most Effective People Do Differently, by John C. Maxwell, 2010
- Messages: The Communication Skills Book, by Matthew McKay, Martha Davis and Patrick Fanning, 2009
- Communication: The Key to Effective Leadership, by Judith A. Pauley, 2009
- The Art and Science of Communication: Tools for Effective Communication in the Workplace, by P.S. Perkins and Les Brown, 2008

Semester-III

Name of the Course: Methods of Teaching Yoga and Value Education

Course Code: MA -301

Objectives:

Following the completion of this course, students shall be able to

- Understand the teaching techniques of yoga
- Understand and conduct class management and lesson planning
- Use educational tools of yoga teaching.
- Inculcate the concept & essence of yoga education and values.

Course Outcome:

CO1: Student would know the concept and importance of teaching.

CO2: Students would familiarise with the goal and characteristics of the training.

CO3: Students would know the factors, definitions and type of physical parameters.

Total number of hours 60		Theory	Tutorial	Practical
Hrs / week		3	1	0
Scheme of Examination				
Total Marks 100				
Theory : 100		Practical : 0		
Final Exam	Internal Assessment	Final Exam	Internal Assessment	
70	30			

Unit 1: PRINCIPLES AND METHODS OF TEACHING YOGA (12 hours)

Teaching and Learning: Concepts and Relationship between the two; Principles of Teaching, Levels and Phases of Teaching, Qualities of an ideal Yoga teacher; Yogic levels of learning- Vidyarthi, Shishya, Mumukshu; Meaning and scope of Teaching methods and factors influencing them; Sources of Teaching methods; Role and importance of Yoga Teachers and Teacher training.

Unit 2: BASICS OF YOGA CLASS MANAGEMENT (12 hours)

Practice of Yoga at different levels (Beginners, Advanced, School Children, Youth, Women and Special attention group); Techniques of Individualized Teaching, Techniques of group teaching; Techniques of mass instructions; Organization of teaching (Time Management, Discipline etc.)

Unit 3: LESSON PLANNING IN YOGA (12 hours)

Essentials of Good Lesson Plan: concepts, needs, planning of teaching Yoga (Shatkriya, Asana, Mudra, Pranayama & Meditation); Models of Lesson Plan; Action Research of Yoga: Meaning, Roles, Steps in action research in Yoga Teaching; Effective use of Library and other resources; Lesson Plan and its Practical applications.

Unit 4: EDUCATIONAL TOOLS OF YOGA TEACHING (12 hours)

Yoga classroom: Essential features, Area, sitting arrangement in Yoga class etc.; Class room problems: Types and Solutions, Characteristics and essentials of good yoga teaching; Timetable: Need, Types, Principles of Time table construction; Time Table for Yoga teaching; Meaning, Importance and Types of Educational technology; Role of Educational Technology in Yoga.

Unit5: YOGA AND VALUE EDUCATION (12 hours)

Concept of Value, Definition of value, Types of Values; Value Oriented Education, Value education and its components; Value oriented personality, Role and function of values in Society; Yoga as global value, Yoga as value and yoga as Practice; Contribution of Yoga towards the development of values.

TEXTBOOKS

1. Swami Satyananda Saraswati: Yoga Education for Children, Bihar Schools of Yoga, Munger, 1990.
2. Swami Satyananda Saraswati: A Systematic Course in the Ancient Tantric Techniques of Yoga and Kriya, Bihar Schools of Yoga, Munger, 2004.

BOOKS FOR REFERENCE

1. Dr. Gharote ML: Teaching methods for Yogic practices, Kaivalyadhama, Lonavala, 2007
2. Dr. Shri Krishna: Notes on basic principles & methods of teaching as applied to yogic practices and a ready reckoner of yogic practices, Kaivalyadhama, Lonavala, 2009
3. Dr. Raj Kumar: Principles & methods of Teaching, Printographics, Delhi
4. Duggal, Satyapad: Teaching Yoga, The Yoga Institute, Santacruz, Bombay, 1985
5. Nagendra, H.R. and Nagarathna R: New Perspectives in Stress Management, V.K. Yogas, 1988.
6. Swami Satyananda Saraswati: Yoga Education for Children, Bihar Schools of Yoga, Munger, 1990
7. Gawande, E. N.: Value Oriented Education, Sarup & Sons, New Delhi-110002
8. Gharote, M.L.: Yoga Applied to Physical Education Lonavala; Kaivalyadhama.
9. Dr. R. Nagarathna & Dr. H. R. Nagendra: Integrated Approach of Yoga Therapy for Positive Health, Swami Vivekananda Yoga
10. Prakashana, Bangalore, 20

Name of the Course: Introduction to Ayurveda**Course Code: MA -302****Objectives:**

Following the completion of this course, students shall be able to

- Understand the basic principles of Ayurveda.
- Have knowledge of different techniques used in Ayurveda to cure general ailments.
- Have basic knowledge of Panchkarma and useful domestic herbal remedies

Course Outcome:**CO1:** Student would know to describe the concept of Ayurveda.**CO2:** Student will familiarise with the deep concept of dosha.**CO3:** Student would know the concept of dhatu, prakriti and would be capable to identify the level of health on the basis of these concept.

Total number of hours 60		Theory	Tutorial	Practical
Hrs / week		3	1	0
Scheme of Examination				
Total Marks 100				
Theory : 100		Practical : 0		
Final Exam	Internal Assessment	Final Exam	Internal Assessment	
70	30			

Unit – 1**(10 hours)**

Ayurveda: Origin, Meaning, Definition, Purpose, History and Principles of Diagnosis and Testing.

Unit-2**(20 hours)***Dosha:* Meaning, definition, types, functions and results of deformity;*Dhatu:* Meaning, definition, types, and results of deformity; *Updhatu:* Meaning, definition, types, functions and results of deformity; *Mala:* Meaning, definition, types, functions and results of deformity; *Srotas:* meaning, definition, type and functions; *Indriyas:* meaning, definition, types and functions;

Agni: meaning, definition, types and functions; *Prana*: meaning, definition, types, place and functions; *Prakriti*: meaning, definition, characteristics and its disorders; *Deha- prakriti*: meaning, definition, types and recognition; *Manas Prakriti*: meaning, definition, types and recognition.

Unit-III (10 hours)

General introduction, properties, health promotion and medical uses of Major Herbs - Aak, Ajwaain(carom seeds), Amla, Apamarg, Ashwagandha, Tulsi, Giloy, Brahmi, Coriander, Ginger, Cardamom, Harad, Neem, Turmeric and Gwarpatha (Aloe vera).

Unit-IV (10 hours)

Panchakarma (Pre-Karma, Pradhan Karma and Post-Karma): Meaning, Definition, Types, Purpose, Benefit, Precautions and Health Promotional and Medical Use.

Unit-v (10 hours)

Detailed interpretation of Pradhan Karma and its applications in various ailments (Gout, Arthritis, Obesity, Diabetes, Back- pain, Colitis, IBS, CAD, UBITs, Liver disorders, Insomnia, Depression, Anxiety and Stress etc.)

BOOKS FOR REFERENCE:

- आयुर्वेद सिद्धांत रहस्य आचार्य बालकृष्ण दिव्य योग मंदिर ट्रस्ट प्रकाशन
- आयुर्वेदजड़ी-बूटीरहस्य- आचार्यबालकृष्ण
- स्वस्थवृत्त- १९० रामहर्षसिंह

Basic Principles of Ayurveda- K. Lakshmi pati

Name of the Course: Research & Statistical Methods**Course Code: MA -303****Objectives:**

Following the completion of this course, students shall be able to

- State concept and make statistical computations (measure of central tendency & dispersion, simple correlation & regression, NPC Applications, West, ANOVA, & Chi-square) regarding Research and Statistical Methods.
- Apply knowledge of Research & Statistical Methods to draft mini research synopsis & undertake the same in Master Program as Dissertation to create rigid base for advanced research career in future.

Course Outcome:**CO1:** Student will learn the nature, scientific method and importance of research in the field of yoga.**CO2:** Student came to know scientifically that how yoga affects human body.**CO3:** Student will get familiar with the steps involved in carrying a research study.

Total number of hours 60		Theory	Tutorial	Practical
Hrs / week		3	1	0
Scheme of Examination				
Total Marks 100				
Theory : 100			Practical : 0	
Final Exam	Internal Assessment	Final Exam	Internal Assessment	
70	30			

UNIT 1**(12 hours)**

Scientific Research: Concept, Characteristics, Types and Process; Scope and purpose of scientific research in yoga; Research Problem: Concept, Sources of Research Problems in Yoga, Characteristics of good research problem, Considerations in selecting a research problem, Steps in the formulation of a research problem and Practice of formulating a

research problem; Hypothesis: Concept, Functions, Characteristics and Types (Research Hypothesis and Null hypothesis); Practice of hypotheses writing; Sampling: Concept, Types (Probability and Non-probability Samplings with their types), and Practice of using different sampling procedures for sample selection.

UNIT 2

(12 hours)

Variable: Concept, Types (Independent, Dependent, Extraneous, Intervening and moderating) and Practice for identification of variables in different research problems Research Design: Concept, Characteristics of Good Research Design, Types: **Differential, Pre & Post, Experimental**, Pure Experimental, Factorial, **Descriptive, Relational & Mixed**; Methods of Controlling Extraneous Variance:

Concept and Control Methods (Randomization, Elimination, Introducing new Independent Variables, other techniques)

UNIT 3

(12 hours)

Statistics: Concept and Significance; Types of research data, Frequency distributions (Individual, Discrete and Continuous), Graphical Representation of the data (Histogram, pie chart and bar graph); Measures of Central Tendency: (Arithmetic Mean, Median and Mode): Concept and Computation in case of grouped and ungrouped data; Measure of Dispersion: Concept and computation of Range, Quartiles and Standard Deviation.

UNIT 4

(12 hours)

Normal Distribution: Concept, Proportions, and Applications of Normal Distribution; Simple Correlation: Concept and computation of correlation coefficient by product moment method, coefficient of Determination; Simple Regression: Concept, Regression Equations (In Score forms), Solving Regression Equations, Interpretation of Regression coefficients, Standard Error of Estimate.

UNIT 5

(12 hours)

Hypothesis Testing: Type I and Type II Errors, Level of significance, Degree of freedom, testing significance of mean difference; T - test: Concept and Computation (In case of two sample hypotheses and paired sample hypotheses); ANOVAs: Concept and Computation of one-way ANOVA in unrelated design and related designs; Chi-Square Test: Concept and Computation in different cases; **using SPSS for data analysis, T-test, Descriptive measures, ANOVA, Corelation & Regression.**

BOOKS FOR REFERENCE

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- Kerlinger, F.N. (1978). *Foundation of Behaviour Research*. Delhi, India: Sur' Publications.
- Singh, A. K. (2001). *Research Methods in Psychology, Sociology and Education* (4th ed). Delhi, India: Motilal Banarasidas,
- Maylor, H. & Blackmon, K. (2005). *Researching Business and Management*. New York, NY: Palgrave Macmillan,
- Garrett. H.E. (1988). *Statistics in Psychology and Education*. Bombay, India: Vikils, Feiffer & Semen's Ltd.
- Suleman, M. (2005). *Methods in Psychology, Sociology and Education* (3rd ed). Patna, India: General Book Agency
- Kothari, C. R. (2011). *Research Methodology: Methods and Techniques* (2nd ed) New Delhi, India: New Age International private limited Publishers.
- Ruxton, G. D. and Colegrave, N. (2003). *Experimental Design for Life Science*. Oxford: Oxford University Press.

Mohsin, S.M. (1981). Research Methods in Behavioral Sciences. Calcutta, India: Orient Longman.

Kumar, R. (2011). Research Methodology (2nd ed). Noida, India: Dorling Kindersley Pvt. Ltd, licensces of Pearson Education in South Asia.

Breakwell, G. M., Hammon, S. Fife-Shaw, C., & Smith, J. (2006). Research methods in psychology (3rd ed). London: Sage.

Haslam S. A., & Mc Garty. (2003). Research methods and statistics in psychology (3rd ed) London: Sage.

Name of the Course: Naturopathy
Course Code: MA -304

Objectives:

Following the completion of this course, students shall be able to

- Understand the basic principles and streams of Naturopathy.
- Have knowledge of different techniques used in Naturopathy to cure general ailments.

Course Outcome:

CO1: Student would know the root reason on which naturopathy work to heal the human body.

CO2: Student would know the miracle of mud therapy, sun, air therapy and would also know to heal patient by applying these therapies.

CO3: Student would know how to apply fasting without any misconception and would restrain himself or other from harmful side effect.

Total number of hours 60		Theory	Tutorial	Practical
Hrs / week		3	1	0
Scheme of Examination				
Total Marks 100				
Theory : 100			Practical : 0	
Final Exam	Internal Assessment	Final Exam	Internal Assessment	
70	30			

Unit-1: - Introduction to Naturopathy (10 hours):

Meaning, Definition, Purpose & Limitations of Naturopathy; History of Naturopathy - Western and Indian; Mahatma Gandhi's contribution to the promotion of Naturopathy; the difference between Naturopathy and Allopathic medicine, Need and importance of Naturopathy in the present age; Basic principles of Naturopathy. Measures to increase Vitality.

Unit-2: - Hydro (Water) therapy and Mud therapy (15 hours):

Water (Hydro) therapy - importance (including classical references), properties, principles, methods of using water as medicine and major medical applications. Mud (earth, soil) therapy - importance (including classical references), properties, principles, methods of soil application and major medical applications.

Unit-3: - Solar therapy, Air therapy (15 hours)

Fire element (Surya/ solar) therapy- Importance (including classical references), properties, methods of Surya therapy and major medical applications; Air therapy- Significance of air, Importance of air as prana (including classical references), Health benefits of pranayama, Applications of air therapy.

Unit-4 Fasting (Aakash Tattva) Medicine (10 Hours):

Akash Tattva (fasting) therapy: - Meaning, definition, purpose, principles and types of fasting. Classical and medical importance of fasting, and precautions. Scientific research on fasting. Abhyang (massage) - Meaning, definition, purpose, history, type (scientific and Ayurvedic), benefits, various methods, physiological effects, health enhancement and medical use, precautions.

Unit-5: - Nature Cure of various diseases (10 hours):

Management of major diseases by Naturopathy - Backache, Epilepsy, Insomnia, Ulcers, Obesity, Arthritis, Psoriasis, Asthma, Pneumonia, Hyper/Hypotension, Hyper/hypothyroidism, cold, impotence, diabetes, depression, anxiety, menstrual problems and migraine.

Prescribed text book

प्राकृतिक चिकित्सा एवं योग डॉ नागेंद्र नीरज

प्राकृतिक आयुर्विज्ञान राकेश जिंदल

Name of the Course: Yoga Practicum**Course Code: MA 305****Objectives:**

Following the completion of the course, students shall be able to:

- 1) State techniques, health benefits, applications, precautions and contraindications of undermentioned yogic practices; & 2) To demonstrate and instruct undermentioned yogic practices.

Course Outcome:

On completion of this course, the students will be able to:

CO1: develop understanding of different yogic techniques.

CO2: attain perfection to perform different yogic practices.

CO3: learn the practical interpretation of Shatkarma.

CO4: conduct practical sessions.

CO5: Conduct Yajya practical sessions

CO6: explain techniques of Pratyahara, Dharana and Dhyana.

•Total number of hours 60		Theory	Tutorial	Practical
Hrs / week		0	1	3
Scheme of Examination				
Total Marks 100				
Theory : 0		Practical : 100		
Final Exam	Internal Assessment	Final Exam	Internal Assessment	
		70	30	

Shatkarma:

-15 marks

Dand, Dhauti, Nauli, Trataka, Vastra Dhauti and all the exercises of the first & second semester.

Posture:

-25 marks

Padma Sarvangasana, Mayurasana, Shirshasana, Ek paad skandha

Asana, Tolangulasana, Vatayanasana, Tittibhasana, Garbhasana, Shirsha Padangushthasan, Guptasana, Vibhakta Paschimottanasan, Padmabakasan, Ek Paad Rajakapotasana, Purna Ustrasana Including all aasanas of 1st and 2nd semesters.

Pranayama: -10 marks Bhramari, Bhastrika, Stambhavritti and all the practices of former semesters.

Mudras and Bandhas: -10 marks

Khechari Mudra, Mahavedha Mudra, Maha Mudra, Maha Bandha and all the practices of the former semesters

Viva -10 points

-Brahmayagya and Swastivachan Mantra - Meaning, Memorization & Recitation).

Name of the Course: Naturopathy Practicum

Course Code: MA 306

Objectives:

Following the completion of the course, students shall be able to:

- State techniques, health benefits, applications, precautions and contraindications of undermentioned Naturopathy practices.

Course Outcome:

CO1: Student will be familiarise with water therapy, massage therapy.

CO2: Students will have capability to treat different major disease with help of these therapies.

Total number of hours 60		Theory	Tutorial	Practical
Hrs / week		0	1	3
Scheme of Examination				
Total Marks 100				
Theory : 0		Practical : 100		
Final Exam	Internal Assessment	Final Exam	Internal Assessment	
		70	30	

Practical File

-10 marks

(The practical file will be prepared under guidance of faculty concerned.)

Forms of water therapy:

-20 marks

(Jalpaan, natural bath, simple and friction bath, Hip bath/kati snan, Mehan Snan, steam bath, spine bath, hot foot bath, full body wet bandage, chest, abdomen, throat and limbs wet bandages/packs, sponges, Anima) 's methods, benefits, precautions, health enhancements and various uses and contra-indications for prevention of diseases.

Different methods of massage:

-10 marks

general, friction, slap, rub, shake, vibration, speaking, caressing, shaking, rhythm, muck, pinch etc. with their physiological effects.

Naturopathy for common diseases-

-10 marks

Backache,

Epilepsy, Insomnia, Obesity Arthritis, Psoriasis, Asthma, Pneumonia, Hyper / Hypotension, Depression, Impotence, Diabetes,

Depression, Anxiety, Ovarian systs, Menstrual problems, Smoking & Alcoholism, Migraine,

Viva - 20 marks**Name of the Course: Communicative English (Non Credit)****Course Code: MA CE 03****Objectives:** The course has been designed to improve English communication of the students.**Course Outcomes****CO1:** To help learners gain better listening, speaking, reading and writing skills so that they can express themselves fluently in personal and professional contexts.**CO2:** To develop critical thinking ability and sensibility towards social, economic and societal situations by reading the texts.**CO3:** Learners get a general awareness of pronunciation, vocabulary and grammar of English Language**CO4:** To help learners to improve their proficiency in applying various skills in their personal and professional lives thereby enhancing their employability prospects.**CO5:** Learners improve their ability to express themselves in English in formal and informal situations.

Total number of hours 60		Theory	Tutorial	Practical
Hrs / week		3	1	0
Scheme of Examination				
Total Marks 100				
Theory : 100			Practical : 0	
Final Exam	Internal Assessment	Final Exam	Internal Assessment	
70	30			

Communication

i. Writing Process ii.

Personal narrative iii.How

to Essay iv.Persuasive

Essay

V. Advantages and Disadvantages Essay

vi. Descriptive Writing Vii Using Figurative Language viii. Study skills

- Improving study habits
- Evaluating Graphs and Diagrams ix. Reading Comprehension X. Listening Comprehension xi. Listening to record speech xii. Part of Speech xiii. Article Writing xiv. Note making XV. Idioms xvi. Picture Composition Interview, Training: -Group discussion/Telephonic Interview HR/CV/Resume.

Literature

- i. Nissim Ezekiel-Enterprise ii. The Indigo Terror by Satyajit Ray.
- ii. My Elder Brother-Premchand.

Suggested Readings

- The Power of Communication: Skills to Build Trust, Inspire Loyalty, and Lead Effectively, by Helio Fred Garcia, 2012
- Everyone Communicates, Few Connect: What the Most Effective People Do Differently, by John C. Maxwell, 2010
- Mastering Communication at Work: How to Lead, Manage, and Influence, by Ethan F. Becker and Jon Wortmann, 2009
- Messages: The Communication Skills Book, by Matthew McKay, Martha Davis and Patrick Fanning, 2009
- Communication: The Key to Effective Leadership, by Judith A. Pauley, 2009

Semester-IV

Name of the Course: Hygiene, Diet & Nutrition

Course Code: MA-401

Objectives:

Following the completion of this course, students shall be able to

- Understand the concept of diet and the medical value of nutrition.
- Advise appropriate diet to different age groups.
- Know the benefits and caloric value of various food groups.
- Understand and practice daily regimen, night regimen and seasonal regimen for health promotion, disease prevention and age reversal.

Course Outcome:

CO1: Student will learn to apply good habits in his daily routine, which in result improve the health status.

CO2: Students would be capable to know about the reason behind arising the disease and to cure them by following a good seasonal routine.

CO3: Student would be capable to design a healthy diet plan which help in getting all the necessary nutrients for the body.

Total number of hours 60		Theory	Tutorial	Practical
Hrs / week		3	1	0
Scheme of Examination				
Total Marks 100				
Theory : 100		Practical : 0		
Final Exam	Internal Assessment	Final Exam	Internal Assessment	
70	30			

Unit-1: Basic concepts and components of food and nutrition (12 hours)

Understanding Nutrition, Basic Terminology in Relation to Nutrition, Human Nutritional Requirements; Concept of food, Acceptance of Food, Functions of Food; Components of Food & their Classification; Macro Nutrients -Sources, Functions and Effects on the Body; Micro Nutrients - Sources, Functions and Effects on the Body; Fat Soluble Nutrients - Sources, Functions and Effects on the Body; Water soluble Nutrients - Sources, Functions and Effects on the Body.

Unit-2: Food groups (12 hours)

Cereals & Millets -Selection, Preparation and Nutritive Value; Pulses, Nuts and Oil Seeds-Selection, Preparation and Nutritive Value; Milk and Milk Products - Selection, Preparation and Nutritive Value; Vegetables and Fruits- Selection, Preparation and Nutritive Value, Fats, Oils and Sugar, Jaggery. Selection, Preparation and Nutritive Value.

Unit-3: Food and metabolism (12 hours)

Energy-Basic Concepts, Definition and Components of Energy Requirement, Energy Imbalance, Concept of Metabolism, Anabolism, Catabolism, Caloric Requirement-BMR, SDA, Physical Activity, Metabolism of Carbohydrates, Lipids and Protein; Factors Affecting Energy Requirement and Expenditure, Factors affecting BMR, Factors affecting thermal effect of Food, Factors affecting energy expenditure in physical activity:

Unit - IV: Yogic concept of diet & nutrition (12 hours)

General Introduction of Ahara (Diet), concept of Mitahara; Definition and Classification of Yogic diet according to traditional Yoga texts; Concepts of Diet according to Gheranda Samhita, Hatha Pradeepika and Bhagavadgeeta-Rajasic, Tamasic and Sattvic food; Pathya and Apathya in diet according to Yogic texts; Guna and Ahara; Importance of Yogic Diet in Yog Sadhana; Yogic Diet and its role in healthy living: Diet according to the body constitution (Prakriti) - Vata, Pitta and Kapha.

Unit-V: Swasthavritta (12 hours)

Swasthavritta: Meaning, Definition, Aims and Aspects; Three pillars of Swasthavritta- Aahar(Diet), Nidra(Sleep), Brahmacharya(Celibacy). Dincharya (Daily regimen) &Ratricharya (Night Regimen): Meaning, Definition and sequential elements with their practical applications: Ritucharya (Seasonal Regimen): Meaning, Definition, Types with their salient features, Seasonwise Accumulation, Aggravation and Pacification of three Humors (vata, pitta, kapha): Seasonwise Do's and Don'ts ; Application of Dincharya, Ratricharya and Ritucharya for health promotion, rejuvenation, disease prevention and age reversal. Concept of Sadwritta evam Achar Rasayana.

TEXT BOOKS

- आयुर्वेदसिद्धान्तरहस्य- आचार्यबालकृष्ण
- आयुर्वेदजड़ी-बूटीरहस्य- आचार्यबालकृष्ण
- आयुर्वेदीयशरीरक्रियाविज्ञान- शिवकुमारगौड़
- स्वस्थवृत्त- डॉ० रामहर्षसिंह

- Ramesh Bijlani: Eating Wisely and Well, Rupa Publication India Pvt. Ltd, 2012

BOOKS FOR REFERENCE

- Stanley Davidson & others: Human Nutrition & Dietetics, The English Language Book Society & Churchill Livings, Revised Edition
- Dennis Thompson: The Ayurvedic Diet, New age books, New Delhi, 2001
- Randolph Stone: A Purifying Diet, Lilawati Bhargav Charitable Trust, Delhi, Revised Edition

Name of the Course: Yoga Therapy

Course Code: MA-402

Objectives:

Following the completion of this course, students shall be able to

- Prescribe the integrated yoga module for the individual case after detailed documentation and report it to the referring consultant.
- Request for assessment measures if necessary
 - a) to confirm the diagnosis,
 - b) to assess the present status of the disease, and
 - c) for follow up.
- To be able to monitor the medication and modify it suitably as the case progresses with yoga practices and report it to the referring consultant.
- To prescribe and administer yogic prescription for the specific disease

Course Outcome:

CO1: Student will familiarise with yogic concept of human anatomy and physiology on their basis they would apply ancient techniques of yoga properly.

CO2: Student would know the different techniques which heal human body system.

CO3: Student will be capable to heal common diseases by applying yoga therapy.

For each condition the following aspects will be covered:

Brief overview of the condition including definition, prevalence, clinical features, diagnostic criteria, causes, Patho-physiology, measurements- investigations to assess the effect of yoga, Yogic Management -rationale for the disease specific yoga protocol, scientific evidence if available, practices of choice and contraindications. Probable healing mechanisms.

Total number of hours 60	Theory	Tutorial	Practical
Hrs / week	3	1	0
Scheme of Examination			

Total Marks 100			
Theory : 100		Practical : 0	
Final Exam	Internal Assessment	Final Exam	Internal Assessment
70	30		

Unit-1 Yoga Etiology, Diagnosis and Therapy (12 hours)

Yogic Anatomy and Physiology: Concept of Psychic Centers, Pancha Kosha and three planes of human being; and effects of their activation and impairment over somatic, psychic and psycho-somatic levels of human existence. Yogic diagnostic techniques: Connections of Swar Science, Prana and Breathing Patterns over somatic, mental and psycho-somatic levels. Association of Psychic centers over nerve plexues and endocrine glands; Concept of health and wellness in terms of WHO, **Ayurveda** and Yoga; Concept of Yoga Therapy: Meaning, Defintion, Aims, Principles, Factors Impacts and Limitations; Qualities of a yoga therapist.

Unit-2: Musculo-Skeletal Disorders (12 hours)

Back Pain: Classification of back pain: organic and functional: **Lumbar Spondylosis, Intervertebral disc prolapse (IVDP), Spondylolisthesis, Spondylitis, Psychogenic- Lumbago, Medical and Yogic management;** Neck pain: Classification- Cervical Spondylosis, **radiculopathy, Functional neck pain; Medical and Yogic management,** All forms of Arthritis: Rheumatoid Arthritis, Osteoarthritis, **Medical and Yogic management.**

Unit- 3: Gastro Intestinal and Excretory Disorders (12 hours)

Brief overview of the condition (Causes, Pathogenesis, Signs, Symptoms and complications), Yogic Management of Acid peptic disease - Indigestion Hyperacidity, Ulcer, Flatulence, Gastritis, Bowel problems - chronic Constipation and **hemorrhoids,** Irritable Bowel Syndrome, **Ulcerative colitis or inflammatory bowel disease, Crohn's disease, gluten intolerance, food allergies;** Excretory System: **irritable bladder syndrome,** stress incontinence, **Chronic renal failure, Renal hypertension, Renal stones.**

Unit- 4: Cardio-Pulmonary Disorders (12 hours)

Brief overview of the condition (Causes, Pathogenesis, Signs, Symptoms and complications), Yogic Management of Hypertension and Hypotension, Ischemic heart diseases, **Varicose veins, Peripheral vascular disease, Autoimmune Arteritis.** Brief overview of the condition (Causes, Pathogenesis, Signs, Symptoms and complications), Yogic Management (rationale for the **disease specific yoga protocol, scientific evidence if available, probable healing mechanisms, practices of choice and contra indications).** Allergic, autoimmune respiratory conditions - Allergic Rhinitis & Sinusitis, Bronchial Asthma, **COPD& Emphysema- Occupational pulmonary disease.**

Unit-5: Neurological and Psychiatric Disorders (12 hours)

Headaches: Migraine: Causes, Classification, clinical features, Medical and Yogic management, **Tension headache: Causes and its symptoms and Medical and Yogic management;** Cerebro vascular accidents: Causes, clinical features, Medical and Yogic management, **Epilepsy, pain; Parkinson's disease: Causes, clinical features, Medical and Yogic management**

Introduction to psychiatric disorders, classification - Neurosis, Psychosis: Neurosis: Anxiety disorders: Generalised anxiety disorder, Panic Anxiety, Obsessive Compulsive Disorder, Phobias: Medical and Yogic management: Depression: Dysthymia, Major depression, Medical and Yogic management; Psychosis: Schizophrenia, Bipolar affective disorder, **Medical and Yogic management**

TEXT BOOKS

1. Nagarathna R and Nagendra HR, Yoga therapy for common ailments series, SVYP publications, 2010
2. Swami Karmananda, Yoga therapy for common diseases, Yoga publication trust, Munger, 2001
3. Dr Robin Monro, Dr R Nagarathna and Dr H R Nagendra, Yoga for common ailments, Gaia Publishers

REFERENCE BOOKS

1. Shivanand Saraswati: Yoga Therapy (Hindi & English)
2. Rai, Lajpat: Discovering Human Potential energy: A Physiological Approach to Yoga (Anubhava Rai Publications, 1998)
3. Nagarathna, R and Nagendra, H.R.: Promotion of Positive Health, Swami Vivekananda Yoga Prakashana, Bangalore, 2002
4. Ramesh Bijlani: Back to Health through Yoga, Rupa Publications India Pvt. Ltd, 2011
5. MONIY publications: 10 Booklets, Yoga Therapy Series, MDNIY Publications, New Delhi, 2009
6. Swami Satyananda Saraswati: Yoga and Cardio Vascular Management, Yoga Publication Trust, Munger, 2005
7. Nagarathna R and Nagendra H R: Yoga for Arthritis, Back pain, Diabetes, Pregnancy Breathing Practices, Swami Vivekananda Yoga Prakashana, Bangalore, 2000

Name of the Course: Complementary & Alternative Therapy (CAT)

Course Code: MA-403

Objectives:

- State concept, prevalence, objectives, types, applications and limitations of CAT &
- Have knowledge & skills of therapeutics related to acupuncture, pranic healing, and dietary supplements for managing some of the common health problems and rejuvenation.

Course Outcome:

CO1: Student will learn the nature and concept of alternative therapies.

CO2: Student will be familiarise with the concept of pranic healing and acupuncture points through which they can heal major disease.

CO3: Student could easily apply these different therapies and help society by its remedial effects.

Total number of hours 60		Theory	Tutorial	Practical
Hrs / week		3	1	0
Scheme of Examination				
Total Marks 100				
Theory : 100		Practical : 0		
Final Exam	Internal Assessment	Final Exam	Internal Assessment	
70	30			

UNIT 1

(12hours)

CAT: History, Meaning, Definition, Objectives, Types, Prevalence, Contemporary Need, Applications and Limitations. **Mind-Body Therapy:** Origin, Meaning, Definition, Aims, Principles, Factors, Impacts, Prevalence, Applications, and Limitations. **Pioneers in MBM in**

modern era- Yogrishi Swami Ramdev, Acharya Balkrishna, Swami Satyananda, BKS Iyengar, Norman Cousins, Deepak Chopra, Herbert Benson, Dean Ornish, Bernie Siegal, Lorry Dossey; Need of mind body medicine; Mind body relationship and modern medicine: Epidemiological studies, clinical studies, & experimental studies; Placebo and Nocebo.

UNIT 2 (12 hours)

Manipulative-Body Based Therapy (MBT): Meaning, Definition, Aims, Principles, Types, Impacts, Prevalence, Applications, and Limitations. Acupressure: Origin, Meaning, Definition, Principles, Five Elements Theory, Chi Clock Cycle, Meridian Systems and Locating Acupoints on 12 Major Meridians and Reflexology.

UNIT 3 (12 hours)

Energy Medicine: History, Meaning, Definition, Types, Principles, Applications and Limitations. **Pranic Healing:** Origin, History, Meaning and Sources of Prana; Principles, Law of Action, & Types (Basic, Advanced, and Psychotherapy); Bio-plasmic body/Aura: structure, types and size; Energy Centers (EC): Meaning, Types (Major, Minor and Mini), Sizes, Colors, Functions and Consequences of their Dysfunctions; Ahartic Yoga & Twin Meditation, Scanning Auras or Chakras, Sweeping and Energizing Procedures,

UNIT 4 (12 hours)

Acupressure & Pranic Therapeutics: Low Back Pain, Arthritis, Obesity, Diabetes, Hypertension/Hypotension, Hyper/Hypo Thyroidism, Liver Problem, Allergy, CAD, Anemia, Hyperacidity. Irritable Bowel Syndrome, Colitis, Piles, Migraine, Insomnia, Depression, Chronic Fatigue Syndrome, Epilepsy, Anxiety, Obsessive Compulsive Disorder, Leucorrhoea, Menstrual Disorders, Impotency, Infertility, CSF, Asthma, Pneumonia, Renal Problem, Varicose Veins, Distress, and Myopias.

UNIT 5 (12 hours)

Biologically Based Products (Dietary Supplements & Herbal Remedies) Probiotics and Prebiotics, Antioxidants, Glucosamine Sulfate, Gultamine, Selenium, Curcumin, Multi-vitamins and their Natural Sources, Omega-3 Fatty Acid and Tryptophan their Functions and natural Sources; **Panchgavya** (Indigenous Cow urine, dung, milk, curd, ghee) : Importance & uses in disease prevention & health promotion.

REFERENCES

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- Acharya, B. (2005). Ayurveda Jadi-butl Rahasya. Haridwar, India: Divya Prakashan.
- Brahmabarchas. (2003). Nidan Chititsa. Haridwar, India: Ved Mata Gayatri Trust.
- Colledge, N. R., Walker, B. R. & Ralston, S. H. (2010). Davidson's Principles & Practice of Medicine (21st ed.). China: Churchill Livingstone, Elsevier.
- Holford, P. & Bume, J. (2007). Food is better medicine than drugs. Great Britain: Piatkus.
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- Joshi, S. A. (2011). Nutrition and dietetics with Indian case studies. New Delhi, India: Tata McGraw-Hill.
- Lian, Yu-Lin; Chen, Chun-Yan; Hammes, M. & Kolster, B. C. (2005). Pletorial atlas of acupuncture: An illustrated manual of acupuncture points. Solvenia: h. f. ullmann.
- Micozzi, M. S. (2015). Fundamentals of complementary and alterntive medicine (5th ed.). China. Elsevier Saunders.
- Patanjali Research Foundation. (2015). Research Publications. Haridwar, India: Divya Prakashan
- Peeters, J. (2008). Reflexology. Bath BAMHE, UK: Paragon.
- Ramdev, S. (2006). Yoga Sadhana and Yoga Chikitsa Rahasya. Haridwar, India: Divya Prakashan

Ramdev, S. (2009). Pranayam Rahasya. Haridwar, India: Divya Prakashan
 Sah, R. L., Joshi, B., & Joshi, G. (2002). Vedic health care system. New Delhi, India: New Age Books.
 Sharma, S. (1998). Jivem Saradm Satam. Mathura, India: Akhand Jyoti Samsthan.
 Sharma, S. (2010). Gayatri Mahavijyan (Combined and revised ed.). Mathura, India: Yug Nirman Yojana Bistar Trust.

Name of the Course: Dissertation/Field Training

Course Code: MA-404

Objectives:

- Demonstrate the yoga practices specific to a particular ailment confidently.
- Gain more practical knowledge about the disease specific yoga techniques.

Course Outcome

CO1: Identifying the Accumulation, Structure, and Evaluation of Content from Research Studies.

CO2: analysing the stated issue and constructing a pertinent research question

CO3: Adopt a suitable research design and closely follow any associated techniques.

CO4: Approach the study project ethically.

CO5: Draw appropriate conclusions and indicate the significance of the findings for educational practise and research.

CO6: Provide the study in an academic style that is appropriate for the discipline.

Total number of hours 120		Theory	Tutorial	Practical
Hrs / week				8
Scheme of Examination				
Total Marks 100				
Theory :		Practical : 100		
Final Exam	Internal Assessment	Final Exam	Internal Assessment	
		100		

An aptitude test will be conducted to select eligible candidates at the end of MA- 3rd Semester to opt dissertation. The aptitude test will cover subjective and objective knowledge of all the papers of the Master Program, especially Research and Statistical Methods, and Computer Application and the candidate needs to secure 60% or above marks in the test conducted. The mode of question paper will be both objective and subjective. Candidates disqualified

(securing marks below 60%) in the aforesaid test needs to go for Field Training as detailed under:

Instructions:

During field training students are expected to carry out the following tasks.

- Involve themselves during practical session.
- Understand how to take case history
- Gain the knowledge of recording the common parameters specific to disease.

Note: Students need to spend 2 hours every day in the hospital set up where the patients undergo their yoga therapy.

Examination: Students shall be examined based on the knowledge acquired with respect to parameter and the case history.

Name of the Course: Yoga Practicum

Course Code: MA 405

Objectives:

Following the completion of the course, students shall be able to:

State techniques, health benefits, applications, precautions and contraindications of undermentioned yogic practices; & 2) To demonstrate and instruct undermentioned yogic practices.

Course outcomes

On completion of this course, the students will be able to:

CO1: Get insight into different yogic practises.

CO2: To achieve perfection, one must engage in several yogic practices.

CO3: practically accomplish the Shatkarma.

CO4: improve your practical teaching abilities.

Total number of hours 60		Theory	Tutorial	Practical
Hrs / week		0	1	3
Scheme of Examination				
Total Marks 100				
Theory : 0		Practical : 100		
Final Exam	Internal Assessment	Final Exam	Internal Assessment	
		70	30	

Shatakarma: Dand dhauti, Vastr dhauti, Nauli, Trataka. -10 marks

Aasana: -30marks

Dvipada Skandhasana, Purna Bhujangasana, Purna Matsyendrasana, Pakshee Aasan, Vrishchik Aasana, Padma Mayurasana,

Purna Vrishchikasana, Takiya Aasana, Padma Sheershasana, Karnapidasana, Purna Dhanurasana, Gorakshasana,
Purna Chakrasana, Purna Shalabhasana, Ek Pada Bakasana,
Omkar Aasana, Purna Natarajasana
And all the practices of previous semesters.

Pranayama – 10 marks
Udgeeth , Moorchha.

Dhyana & Viva: Vijnanamaya & Anandamaya kosha - 20marks

Name of the Course: Complementary & Alternative Therapy Practicum

Course Code: MA 406

Objectives:

Following the completion of the course, students shall be able to:

- Practice skills of therapeutics related to acupressure, pranic healing, and dietary supplements for managing some of the common health problems and rejuvenation.

Course Outcome:

CO1: Student will be familiarise with water therapy, pranic healing and acupressure points.

CO2: Students will have capability to treat different major disease with help of these therapies.

Total number of hours 60		Theory	Tutorial	Practical
Hrs / week		0	1	3
Scheme of Examination				
Total Marks 100				
Theory : 0		Practical : 100		
Final Exam	Internal Assessment	Final Exam	Internal Assessment	
		70	30	

Acupressure – 15 marks
Pranic Healing – 15 marks

Acupressure and Pranic Healing Treatment methods of Health problems described in
 MA-403 -30 marks
 Dietary Supplements & Herbal Remedies - 10 marks

Note: *Micro contents & format of Practical on aforesaid contents will be worked out in consultation with concerned Professor*

Name of the Course: Communicative English (Non Credit)
Course Code: MA CE 04

Objectives: The course has been designed to improve English communication of the students.

Course Outcomes

CO1: To help learners gain better listening, speaking, reading and writing skills so that they can express themselves fluently in personal and professional contexts.

CO2: To develop critical thinking ability and sensibility towards social, economic and societal situations by reading the texts.

CO3: Learners get a general awareness of pronunciation, vocabulary and grammar of English Language

CO4: To help learners to improve their proficiency in applying various skills in their

Total number of hours 60		Theory	Tutorial	Practical
Hrs / week		3	1	0
Scheme of Examination				
Total Marks 100				
Theory : 100			Practical : 0	
Final Exam	Internal Assessment	Final Exam	Internal Assessment	
70	30			

personal and professional lives thereby enhancing their employability prospects.

CO5: Learners improve their ability to express themselves in English in formal and informal situations.

Communication:

Writing an analysis

Analysis a Critical Review

Vocabulary

Interview Training Program

Group discussion

Personal Interview Telephonic

Interview CV Resume.

Personality Development/Presentation

Debate Writing

Note Making

Letter Writing (Letter to Editor)

Picture Composition

Reading Comprehension

Literature

i. The PardahNashin-Sarojini Naidu ii. Necklace-Guy de Maupassant iii. The Patriot by Rabindranath Tagore

iv. The Drought-Sarat Chandra Chatterjee

vi. The Malcfactor-Anton Chekov

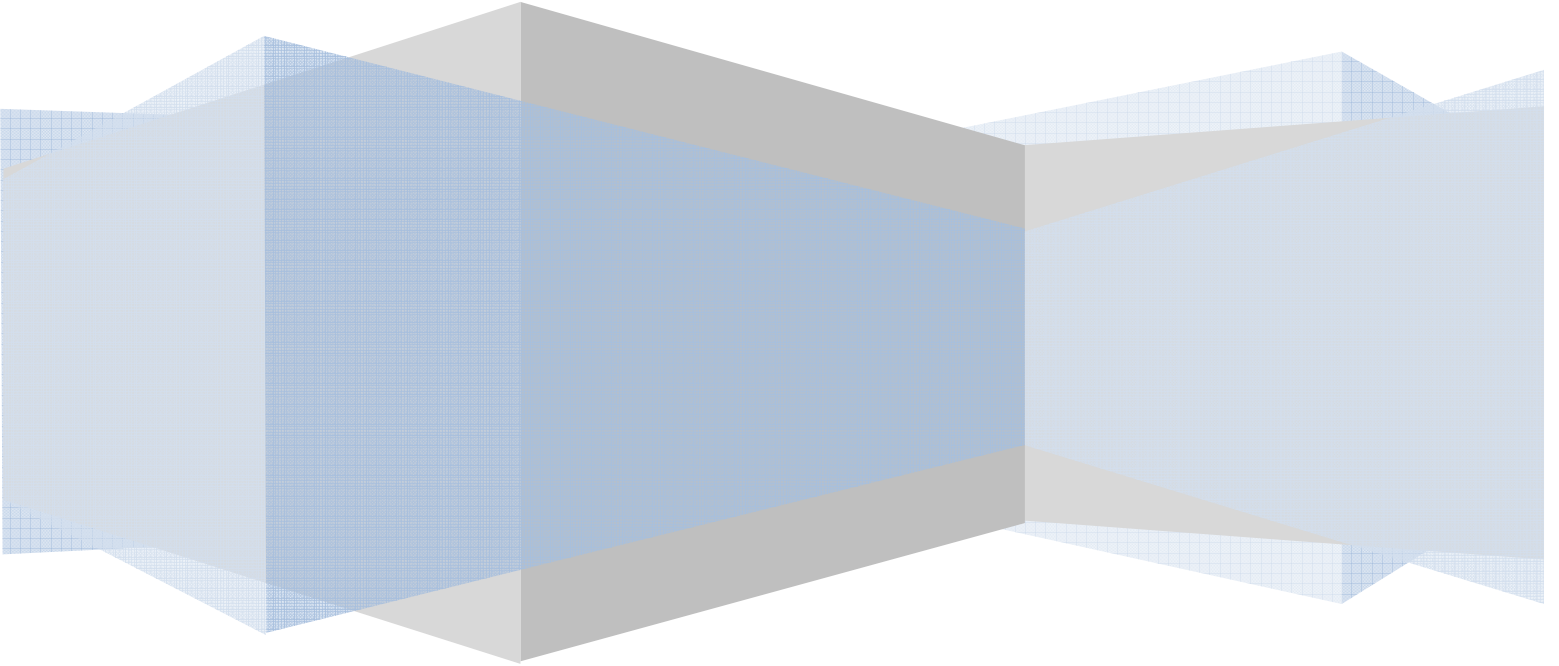
Suggested Readings

- Messages, The Communication Skills Book, by Millthew Mckay. Martha Davis Parich Bannung 2009
- Communication The Key to Effective leadership, by Judith a Billy 2009
- The Art and Science of Communication Tools for effective communication in the Workplace, by P S. Perkins and les Brown, 2008
- The Power of Communication Skills to Build Trust, Inspire Loyalty, and Lead Effectively by Helio fred Garcia, 2012
- Formal Conversations: Tools for Talking When Stakes Are High by Kerry Patterson

University of Patanjali
Post Graduate Diploma in Yoga Science
Syllabus
(2019-20)



Post Graduate Diploma in Yoga Science



Preamble

The tradition of Yoga has always been passed on individually from teacher to student through oral teaching and practical demonstration. The formal techniques that are now known as Yoga are, therefore, based on the collective experiences of many individuals over many thousands of years. The particular manner in which the techniques are taught and practiced today depends on the approach passed down in the line of teachers supporting the individual practitioner. Yoga is essentially a spiritual discipline based on an extremely subtle science, which focuses on establishing harmony between mind, body; thought and action; restraint and fulfilment; harmony between man and nature and a holistic approach to health and wellbeing. Yoga is not about exercise but to discover the sense of oneness with ourselves, the world and Nature. It is an art and science for healthy living.

The word “Yoga” is derived from the Sanskrit root ‘yuj’ meaning “to join”, “to yoke” or “to unite”. Therefore, the aim of yoga is to unite the individual consciousness with the supreme consciousness. Yoga is a science and art of living; also it is a body of techniques that lead us to consciously connect with ourselves and with life, the experience of yoga. As yoga is an art and science, there is no dogma or belief system attached to it. Yoga tells us to do a certain practice and feel their effect following the practice, e.g. if we breath slowly in a relaxed manner we will slow our heart rate; if we focus the mind we will develop mental peace and deep insight.

In addition to this, Yoga is becoming popular day by day and has become a wave which is sweeping across the globe. In this course we introduce yoga as a science of Holistic living and not merely as yoga postures. During the course, the student is taught the fundamental & advanced concepts of Yoga as well as the techniques for the treatment and prevention of various psychosomatic and life style related ailments.

Title of the Programme:The programme shall be called “Post Graduate Diploma in Yoga Science”

Aim of the Programme The aim of the programme is to produce "Yoga professionals for academic & therapeutic fields"

Objectives of the programme:

Deeper Understanding of Yoga: To make students understand the classical nature of Yoga & giving them the in-depth knowledge of its various components.

Prevention of diseases: To introduce yoga as therapy, its principles and practices of yoga for prevention of various lifestyles, non-communicable and psychosomatic disorders.

Promotion of positive health: To prepare them for giving talks and offer techniques to promote healthy yogic life style.

Duration: Duration of the course will be 1 year (2 semesters)

Program Outcome:

PEO1.Have an integrated knowledge of the various disciplines in multidisciplinary field of Yoga Science

PEO2. Acquire and be equipped with skills in the application of theoretical knowledge on different subjects within the board field of Yoga science.

PEO3. Will be able to practice for real life problem solving in an increasing complex and dynamic Yoga world.

PEO4. Develop ability of focused research and thinking process mastering complex skills that are grounded in and guided by systematic theory and research

PEO5. Will be well informed, ethical and committed citizens contributing to the Yoga development.

Program Specific Outcome:

PSO1: Apply and demonstrate various yogic activities, naturopathy techniques and yogic therapies for recovery from disease and promotion of health.

PSO2: Design, analyse, modify nutritional programme in consideration with physiological aspects, health aspect along with anatomical aspects that will positively affect yogic performance.

PSO3: Apply the basic concept of research process, test and measurement techniques and statistical application for computing result for generalization.

PSO4: Demonstrate and apply various psychological techniques and strategies to enhance performance in yoga and other fields of human life while applying best pedagogical techniques.

PSO5: Demonstrate and apply different yogic practice such as asana, pranayama and meditation and sudhikriya for the prevention of disease and other health benefits for masses.

Scheme of Teaching & Examination

S.N.	Subject Code	Subject Title	Periods per week			Evaluation Scheme					Subject Total
						Seasonal			SEE		
			L	T	P	Credit	CT	TA			
I Year											
Semester I											
1	YS- 101	Fundamentals of Yoga	3	1	0	4	20	10	70	100	
2	YS- 102	Principles of Hath Yoga	3	1	0	4	20	10	70	100	
3	YS- 103	Introduction To Shrimad Bhagavad-Gita and Samkhya karika	3	1	0	4	20	10	70	100	
4	YS- 104	Human Biology	3	1	0	4	20	10	70	100	
5	YS- 105	Yoga Practicum	3	1	0	4	10	5	35	100	
6	YS- 106	Human Biology Practicum	0	0	8	4	20	10	70	100	
32 Hrs						24	Total			600	
Semester II											
1	YS 201	Patanjal Yoga Darshan	3	1	0	4	20	10	70	100	
2	YS 202	Yoga Therapy	3	1	0	4	20	10	70	100	
3	YS 203	Hygiene, Diet & Nutrition	3	1	0	4	20	10	70	100	
4	YS 204	Complementary & Alternative Therapy (CAT)	3	1	0	4	20	10	70	100	
5	YS 205	Yoga Practicum	0	0	8	4	20	10	70	100	
6	YS 205	Complementary & Alternative Therapy Practicum	0	0	8	4	20	10	70	100	

32 Hrs	24	Total	600
Total number of Credits	48	Total	1200

*These credits and numbers are virtual as the papers are of qualifying nature - L - Lecture, T-Tutorial, P-Practical (practice/ field), CT- Cumulative Tests, TA - Teachers Assessment, SEE - Semester Examination

Semester-I

Name of the Course: Fundamentals of Yoga**Course Code: YS -101****Course Objective: -**

Following the completion of this course, students shall be able to

Introduce Yoga and its main streams.

Become familiar with the nature of yoga in various texts of Indian knowledge tradition.

Get acquainted with the history of yoga and its basis.

Course Outcome: -

On completion of this course, the students will have:

CO1:Students will know the exact face of yoga and will not mislead the society by gaining correct knowledge about origin of yoga.

CO2:Student will be capable to know the journey of yoga and how it varied with the time by gaining the knowledge about lineages of yoga.

CO3:The biographies of yogis would motivate the students to apply yoga in his/ her own life and through this they would improve their quality of life.

Total number of hours 60		Theory	Tutorial	Practical
Hrs / week		3	1	0
Scheme of Examination				
Total Marks 100				
Theory : 100		Practical : 0		
Final Exam	Internal Assessment	Final Exam	Internal Assessment	
70	30			

Unit-1: General Introduction to Yoga (12 hours)

Origin of Yoga, Psychological basis for origin of Yoga, History and development of Yoga (Vedic period, Darshan period, Commentary period, Bhakti Yoga and Hatha Yoga period, Modern period), Etymological meaning and definition of Yoga, Purpose of yoga, Current misconceptions regarding yoga, Major principles of yoga, Yoga practices for healthy life, Importance of yoga in present age.

Unit - 2: Basis of Yoga and Tradition of Yoga - I (12 hours)

General introduction of Vedas, Upanishads and Ayurveda in yogic context, General introduction of Samkhya, Yoga and Vedanta philosophy (in yogic context), General introduction of Bhagavad-Gita (in yogic context), General introduction of Puranas (in yogic context)., Yoga in YogVashishtha and Narada Bhakti Sutra, Brief Introduction to Yoga in Jain Philosophy and Buddhist Philosophy, Bhakti Yoga of Medieval Saints (Kabir, Nanak and Sufism)

Unit - 3: Basis of Yoga and Tradition of Yoga - II (12 hours)

General introduction of Tantra and its traditions (Shaiva, Shakta, Vaishnava, Buddhist Tantra), Concept of Shiva and Shakti, Yoga in Shaivite and Shakta Tantras, Concept of

Nadi and Prana, Kundalini, Kundalini Shakti and Shatchakra Sadhana, Impact of Tantra in Hatha Yoga Tradition and Sadhana.

Unit - 4: Major Streams of Yoga (12 hours)

Concepts of major streams of yoga and introduction of their limbs with the effects - Gyan Yoga, Bhakti Yoga, Karma Yoga, Ashtanga Yoga, Kriya Yoga, Hatha Yoga and Mantra Yoga

Unit - 5: Introduction to Renowned Yogis (12 hours)

Introduction (life & works) of the great yogis of India - Maharishi Patanjali, Maharishi Vyas,

Maharishi Kapil Muni, Adi Shankaracharya, Maharishi Dayanand Saraswati, Swami Vivekananda, Maharishi Arvind, Swami Kuvalayananda, Maharishi Raman, Yogarishi Swami Ramdev

Prescribed text book

1. योगदर्शनम- स्वामीरामदेव, दिव्यप्रकाशन, ँतंजलियोगपीठ, हरिद्वार
2. दर्शनप्रवेश- दिव्यप्रकाशन, ँतंजलियोगपीठ, हरिद्वार
3. योगकेमूलभूतसिद्धांत - आचार्यबालकृष्णजी. दिव्यप्रकाशन, ँतंजलियोगपीठ.हरिद्वार
4. गीतारहस्य (निर्धारित॥ाठ्यांश)- लोकमान्यतिलक
5. भारतकेमहानयोगी- विश्वनाथमुखर्जी
6. तंत्रदर्शन - स्वामीनिरंजनानंद॥रमहंस - ँचदशनामअल॥ बाड़ा, देवघर, बिहार
7. Sharma, Chandradhar: A Critical Survey of Indian Philosophy. Motilal Banarasi Das, Delhi, 2013

BOOKS FOR REFERENCE:

- Agarwal MM: Six systems of Indian Philosophy, Chowkhambha Vidya Bhawan, Varanai, 2010
- Swami Bhuteshananda: Nararad Bhakti Sutra, Advaita Ashrama Publication-Dept. Kolkata, II Edition, 2009
- Hiriyanna M.: Outlines of Indian Philosophy, Motilal Banarsidas, Delhi, 2009
- Bhat, Krishnak.: The Power of Yoga: Suyoga Publications Mangalore,2006
- Swami Prabhavananda: Spiritual Heritage of India (English). Sri Ramkrishna Math, Madras, 2004
- Swami Vivekananda: Jnana Yoga, Bhakti Yoga, Karma Yoga, Raja Yoga. Advaita Ashrama, Calcutta, 2000
- Pandit, M.P.: Introduction to Upanishads: Theosophical Society of India, Adyar, Madras, 1976
- Dasgupta, S. N.: Hindu Mysticism, Motilal Banarasidass, Delhi1927 9. A Search in Mystic India - Paul Brunton

Name of the Course: Principles of Hath Yoga

Course Code: YS -102

Course Objectives:

Following the completion of this course, students shall be able to

Understand the fundamental principles of Hath Yoga.

Explain the understanding of Hath Yoga as a tradition and inculcate the essence.

Get acquainted with the tradition, history, its components and modern-day relevance of Hath yoga.

Course Outcome: -

On completion of this course, the students will have:

CO1:Students would know how to define hatha yoga and would be skilled to choose right time, place and season for starting the practice of yoga.

CO2: Students would know the importance of hatha yoga for better health and success in life.

CO3:Students will learn the techniques to do shatkarmas, asanas and pranayamas as per hatha pradipika.

CO4:Students would know the concept of sapt sadhanas of gherand Samhita.

Total number of hours 60		Theory	Tutorial	Practical
Hrs / week		3	1	0
Scheme of Examination				
Total Marks 100				
Theory : 100		Practical : 0		
Final Exam	Internal Assessment	Final Exam	Internal Assessment	
70	30			

Unit-1: General Introduction to Hatha Yoga (12 hours)

Hatha Yoga - Meaning, Definition, Origin, Tradition and Purpose. Prevailing misconceptions regarding Hatha Yoga. Helping and obstructing elements of Hatha Yoga. The Hatha Yogic practice described in Hathayogapradipika. Concept of Math, Manuals for the practitioner of Hatha Yoga, Concept of Mitahar, Pathya&Apathya. Tradition of Hatha Yoga. A brief introduction and contribution of the major yogis of the Nath Yoga tradition. Relations in Hatha Yoga and Raja Yoga.

Prescribed Text Book - **हठयोगप्रदीपिका**

Unit-2: Practices of Hatha Yoga - Purification and Asanas (12 hours)

Introduction to purification practices - Purification actions described in Hatha Yoga Pradipika and Gherand Samhita and their method, benefits and precautions. The role of purification practices in yogasadhana and the importance of purification practices in modern life. Yogasana: Definition, characteristics and importance in yoga practice. Method, benefits, precautions and importance of asanas in Hatha Yoga Pradipika and Gherand Samhita.

Prescribed Text Book –हठयोगप्रदीपिकाएवघेरंडसंहिता

Unit-3: Practices of Hatha Yoga - Pranayama, Bandha and Mudras (12 hours)

Pranayama: Introduction. Method of Proper Respiration, Yogic Deep Breathing. Concept of Inhale (*Purak*), Retention (*Kumbhak*) and Exhale (*Rechak*). Prana, types of prana and subprana. Importance of Pranayama in *Hatha Yoga Sadhana*. Method and importance of *Nadishodhana* Pranayama. Preparation for Pranayama. Method, benefits and precautions of Pranayamas in Hatha Yoga Pradipika and Gherand Samhita. Signs of *Hathasiddhi* (success in hathayoga). Bandha: introduction, the importance of bandha-triad in yogasadhana. Main *mudras* in Hatha Yoga Pradipika and Gherand Samhita - their methods, benefits and precautions.

Unit-4: Practices of Hatha Yoga - Pratyahar, Nadanusandhana and Swarodaya Gyan (12 hours)

Pratyahara, Dharna and Dhyana in Gherand Samhita, their methods, benefits and precautions. *Samadhi*, signs of *samadhi* in Hatha Yoga Pradipika. *Nāda*, the four stages of *Nadānusandhana* and their accomplishments (*siddhis*). Concept of *Swara*, the importance of *Swarodaya Gyan* in Yoga Sadhana (with special reference to Gyan Swarodaya and Shiva Swarodaya).

Unit-5: Introduction and Importance of Major Texts of Hatha Yoga (12 Hours)

Introduction, Purpose and Importance of major texts of Hatha Yoga: Siddha-Siddhantha Paddhati, Goraksha Samhita, Shiva Samhita, Hatha Yoga Pradipika, Gherand Samhita. Hatha Ratnavali: Main applications of hatha yogic activities- preparation of Raja Yoga Practice, achieving holistic health, prevention of diseases, rejuvenation, healing and slow aging.

Prescribed text book

हठयोगप्रदीपिका - कैवल्यधाम, लोनावला

घेरंडसंहिता - कैवल्यधाम, लोनावला

गोरक्षसंहिता - डॉ. चमनलालगौतम (1985)

प्राणायामरहस्य - स्वामीरामदेव, दिव्यप्रकाशन, पतंजलियोगपीठ, हरिद्वार

Research Publication, P.R.I. Patanjali Yogpeeth

BOOKS FOR REFERENCE:

Woodroffe, Sir John: The serpent power, Ganesh & Company, Madras, 2000

Woods, J. H.: The Yoga system of Patanjali, M.L.B.D., Delhi, 1988

Swami Vivekananda: Rajayoga, Advaita Ashram, Culcutta, 2000

Burley, Mikel: HathaYoga, Its' ContextTheoryand Practice (M.L.B.D. Delhi, 2000)
 Burnier, Radha: Hathayoga Pradipika of Svatmarama, The Adyar Library publications,
 Chennai

Name of the Course: Introduction to Shrimad Bhagavad Geeta and Samkhyakarika
Course Code: YS -103

Course Objectives:

Following the completion of this course, students shall be able to
 Understand the main teachings of Bhagvadgeeta
 Become familiar with the nature of yoga in various chapters of Bhagvad Geeta.
 Imbibe the essence of teachings of Bhagavad Geeta.
 Get acquainted with the main teachings of Samkhyakarika.

Course Outcome:

CO1: Students would be capable to introduce Bhagwat Geeta.
CO2:Students will be capable to know the major concepts given/ described in Bhagwat Geeta.
CO3:Students would be skilled to know the different streams of yoga.

Total number of hours 60		Theory	Tutorial	Practical
Hrs / week		3	1	0
Scheme of Examination				
Total Marks 100				
Theory : 100		Practical : 0		
Final Exam	Internal Assessment	Final Exam	Internal Assessment	
70	30			

UNIT-1: Introduction to Srimad Bhagavad Geeta and JnanaYoga–Elaboration of Atman (Soul), Prakriti (Nature) and Parmataman (Supreme Soul) (15 hours):
 Introduction to the Bhagavad Gita (literal meaning, source and subject matter), the greatsignificance of the Bhagavad Gita and the views of various scholars regarding it, the nature of yoga in the Bhagavad Gita, the relevance of the Bhagavad Gita in the present age. In the Bhagavad Gita- Sankhya Yoga or Jnana Yoga (Chapter-2, 3, 4, 5, 6, 13), form &characteristics of the *Soul* (Chapter-2), form& characteristics of the Supreme Soul (Purushottama) (Chapter-4, 8, 10, 11, 13, 15), form & characteristics of nature (Chapter9, 13, 14).

Unit-2: - Karmayoga, Dhyana Yoga and Bhakti Yoga (15 hours):
 Concept of Karmayoga (Chapter-2 to 6), Form of *Yajna*, *YajnarthaKarma*, *Nishkam*

Karma (Chapter-34), *Lok Sangraha* (Chapter-3), Jnana-Karma Co-ordination (Chapter-5), Form of Dhyana Yoga (Chapter -6). Concept of Bhakti and its significance (Chapters-7, 8, 9, 11, 12), The necessity of devotion in the realization of supreme soul (Chapters-11, Verse-52-55), Types of Bhakti (Chapters-7, 12) Characteristics of Devotees (Chapter-12, Verse-13-20).

Unit-3: - Personality, Diet and Concept of Triguna (10 hours):

Role of diet in Yoga practice (Chapter-6), Introduction to *Trigunas* (Chapter-14), Concept of Trigun-based personality (Chapter-17), Elements of personality development, Ideal personality- Divine Wealth (Chapter-16).

Unit-4: Introduction to Samkhyakarika-1 (10 hours):

Sankhyadarshan: introduction, nature of suffering. Introduction of twenty-five elements, discussing *pramana*, concept of *Satkaryavad*, causes for unavailability of *Purusha* & *Pradhana*, discussing *Vyakta* & *Avyakta*.

Unit-5: Introduction to Samkhyakarika-II (10 hours):

According to Sankhyadarshan- the nature of *Gunas*, *Purusha* interpretation, characteristics & qualities of intelligence (*Buddhi*). Discussing Thirteen *karanas*, Subtle Body, Bondage - Liberation.

निर्धारित पाठ्यपुस्तक-

1. श्रीमद्भगवद्गीतागीतामृत- योगऋषिस्वामीरामदेवजी, दिव्यप्रकाशन, पतंजलियोगपीठ, हरिद्वार।
2. तत्त्वसमास

सहायक पाठ्यपुस्तक- Shrimadbhagavadgita, Tattvavivechani

Jaydayaal goyandka –Geeta press Gorakhpur

BOOKS FOR REFERENCE:

Bhawuk, D. P. S. (2011). Spirituality and Indian Psychology: Lessons from the BhagavadGita. New York, NY: Springer. doi:10.1007/978-1-4419-8110-3

Davis, R. H. (2015). The Bhagavad Gita. New Jersey: Princeton University Press. Doi: 10.2307/40085138

Easwaran, E. (2011). Essence of the Bhagavad Gita: A Contemporary Guide to Yoga, Meditation & Indian Philosophy. Tomales, CA: Nilgri Press.

Sivananda, S. (2000). Bhagavad Gita. Rishikesh, India: The Divine Life Society. <http://www.sivanandadlshq.org>

Name of the Course: Human Biology

Course Code: YS -104

Course Objectives: The teaching-learning of this paper will enable learner to Discuss & introduce skeletal system, muscular system, respiratory system, cardio vascular system, lymphatic & immune system with their gross anatomy & physiology
Discuss anatomical & physiological effects of selected yoga practices on aforesaid human body systems in evidence based way.

Course Outcome:

CO1: Students would get to know the proper knowledge of anatomy and physiology of human being.

CO2: Students would get to know the structure and functioning of different systems in human body.

CO3: Student would get to know yogic effect on different system.

Total number of hours 60		Theory	Tutorial	Practical
Hrs / week		3	1	0
Scheme of Examination				
Total Marks 100				
Theory : 100		Practical : 0		
Final Exam	Internal Assessment	Final Exam	Internal Assessment	
70	30			

Unit-

1: Introduction to Human Body, Digestive and Excretory System Introduction to Human Anatomy and Physiology, Basic Anatomical and Physiological terms; Cell: Structure & Functions, different cell organelles and their functions; Tissues and Organization of human system; Introduction to Support Systems; Maintenance Systems, Control Systems, Defence System and Concept of Homeostasis; Median planes, directional and regional terms. Gross anatomy of digestive system, functional anatomy of Mouth, Oral cavity, Pharynx, Esophagus, Stomach, Small intestine, Large intestine and Anal canal; Physiology of digestion, assimilation & peristalsis, Gastric and digestive juices involved during digestion, associated glands involved in

digestivesystem;Urinarysystem,kidneys,ureters,-
urinarybladder,Urethra;Skinandsweatgland.

Unit-2: Musculo-Skeletal System

The Skeletal System: Skeleton, Functions of skeleton, Classification of bones, Study of joints; Structure and function of a Synovial joint; The Muscular System: Types of Muscles in the body; the characteristics, structure and functions of The Skeletal Muscles, Smooth Muscles and Cardiac Muscles.

Unit-

3: Cardiovascular System, Respiratory System, Blood And Lymphatic System

Functional anatomy of the Heart, arteries, veins and capillaries; The organization of systemic and pulmonary circulation, the cardiac cycle; Blood: Composition and Functions, Blood groups and their importance; Cardiac output and Venous return; Blood pressure and Regulation of blood pressure; Gross anatomy of the respiratory passages, functional of Nasal cavity, Pharynx, Larynx, Trachea, Bronchus, Lungs and Alveoli; The process of Respiration, Lung volumes & capacities, Mechanics of breathing and exchange of gas in alveoli; Composition of blood corpuscles- RBC, WBC and Platelets; Plasma, hemoglobin-coagulation of blood and anticoagulants, blood groups and its importance; Sites, functional anatomy of lymph nodes and their function; Lymphatic system and its role in immune system.

Unit-4: Nervous System & Special Senses

An introduction to Histology—nerve—structure and properties of neurons—nerve—action potential—generation propagation—factors influencing classification of neurons and nerve fibers, neural cells, receptor and reflex arcs; Functional anatomy of Cerebrum, Cerebellum, spinal cord; Function and importance of the parts of the brain viz., cerebrum, pons, medulla, thalamus, hypothalamus, cerebellum and autonomic nervous system (sympathetic and parasympathetic); Functional anatomy and physiology of Eyes, ears, nose, tongue and skin;

Unit 5: Reproductive System and Endocrine System

Functional anatomy male reproductive system, seminal vesicles and prostate glands; Spermatogenesis; Functional anatomy of female reproductive system; Ovarian hormones, menstruation, pregnancy, parturition and lactation. Anatomical structure of important endocrine glands (Pituitary, thyroid,

parathyroid, pancreas, adrenal and gonads); Short anatomy of the hypothalamus and the releasing hormones secreted from it; Structure and function of anterior and posterior Pituitary; Function of thyroid, parathyroid, suprarenal and islets of Langerhans.

REFERENCES

- Balkrishna, A. (2007). *Yoga synergy with medical science*. Haridwar, India: Divya Prakashan Books TM
- Coulter, H. D. (2006). *Anatomy of Hatha Yoga*. Delhi, India: Motilal Banarasi Das
- Frawley, D. & Kozak, S. S. (2006). *Yoga for your type*. New Delhi, India: New Age Books.
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Udupa, K.N. (2007). Stress and its management by yoga. Delhi, India: Motilal Banarasi Das

Waugh, A. & Grant, A. (2010). Ross and Wilson: Anatomy and Physiology in Health and Illness (11th ed.). London: Elsevier

Name of the Course: Yoga Practicum

Course Code: YS 105

Course Objectives:

Following the completion of the course, students shall be able to:

Understand the benefits, contraindications and procedure of all practices.

Demonstrate each practice with confidence and skill.

Explain the procedure and subtle points involved. Teach the yoga practices to any given group.

Course Outcome:

CO1:Students will be skilled to do practice shatkarmas own self and to others also.

CO2:Students would be capable to conduct/ organise the yoga camp for the general population.

CO3:Students would be capable to learn different soft skills and yoga skills through different techniques of yoga.

□ Total number of hours 60		Theory	Tutorial	Practical
Hrs / week		0	1	3
Scheme of Examination				
Total Marks 100				
Theory : 0		Practical : 100		
Final Exam	Internal Assessment	Final Exam	Internal Assessment	
		70	30	

Shatkarma: Jalneti, Rabarneti, Vamana Dhauti / Kunjar Kriya, Vatkarma, Kapalbhathi.

-15 marks

Asana

- 25 marks

SukshmaVyayam (Pawan mukta Asana) -1, Yogic Jogging, 12 Asanas (Mandukasana, Shashakasana, Gomukhasana, Vakrasana, Makarasana, Bhujangasana, Shalabhasana, Markatasana, Pawanmuktasana, Halasana, Padvrittasana, Dwi-Chakrikasana and Shavasana) Siddhasana, Kati chakrasana, Ardhahalasana, Padmasana, Vajrasana, Swastikasana, Veerasana, Udarakarsansana, Bhadrasana, Janushirasana, Ardhamatsyendrasana, Gomukhasana, Ustrasana, Uttanapadasana, Naukasana, Sarvangasana, Halasana, Matsyasana, Suptavajrasana, Chakrasana, Tadasana, TiryakTadasana, Ek paadpranamasana, Vrikshasana, Garudasana, Hastotansana, Padahastasana, Trikonasana, Ardhadhanurasana, Marjari asana, Ardhashalabhasana, Bhujangasana, Makarasan, Shavasana, Samakonasana, Bakasana, Sarpasana, Hanumanasana, Sukhasana, Ardhpadmasana, Ek Pada Halasana, Setubandhasana, Markatasana, Shashankaran, Vipreetnaukasana, Dwikonasana, Parshvatanasana, Singhasana.

Pranayama-10 marks

Diaphragmatic Breathing, Pranayama: Kapalbhathi, Bhastrika, Bahya, Ujjayi, Anulom-Vilom, NadiShodhan, Bhramari and Udgith

Mudra & Bandha: Jnana Mudra, Chin Mudra, Vipreet Karni Mudra, Yoga Mudra,

Jalandhar Bandh, Uddiyan Bandh, Moolbandha - 10 marks

Viva: Ishwar Stuti Prarthnopasana-10marks

Name of the Course: Human Biology Practicum

Course Code: YS 106

Course Objectives:

Following the completion of the course, students shall be able to:

Be familiar with the systems of the body.

Have a hand on experience about the human body using models, charts and pictures.
Understand the organization of the body with respect to structural components.

Course Outcome:

On completion of this course, the students will be able to:

CO1. Illustrate of Human Anatomy and Physiology.

CO2. Identify different levels of structural complexity.

CO3. Explain and classify of Bones, Joints, and Anthropometric measurements.

CO4. Explain about Human Skeleton

Total number of hours 60		Theory	Tutorial	Practical
Hrs / week		0	1	3
Scheme of Examination				
Total Marks 100				
Theory : 0		Practical : 100		
Final Exam	Internal Assessment	Final Exam	Internal Assessment	
		70	30	

Unit-1: Demonstration of Osteology & Myology (15 Hrs.)

Unit-2: Demonstration of Organs &Viscera regarding Cardio-pulmonary Systems (15Hrs.)

Unit- 3: Demonstration of Bones and Joints (15Hrs.)

Unit-4: Demonstration of Human Skeleton (15 Hrs.)

Semester-II

Name of the Course: Patanjali Yoga Darshan
Course Code: YS -201

Course Objectives:

Following the completion of this course, students shall be able to
Introduce Yoga darshan and its main principles.
Become familiar with the main techniques of yoga prescribed in Yoga Darshan.

Course Outcome:

CO1: Students will be capable of learning Patanjali yoga sutra.

CO2: Students would be skillful in calming the mind by eliminating different vrittis.

CO3: Students will be Skilled to know vrittis of mind.

Total number of hours 60		Theory	Tutorial	Practical
Hrs / week		3	1	0
Scheme of Examination				
Total Marks 100				
Theory : 100		Practical : 0		
Final Exam	Internal Assessment	Final Exam	Internal Assessment	
70	30			

Unit 1: - Introduction of Yogasutra and Samadhi Pada - 1 (20 hours):

Yoga Sutra: Introduction, Definition and Purpose of Yoga, Importance of Yoga Sutra as compared to other Yogic texts, Concept of *Chitta*, *Chitta Bhoomi*, *Chittavrittis* and their types, *Chitta Vritti Nirodhopaya (Abhyas- Vairagya)*, *Chitta Vikshep (Antaraya)*, *Antarayabhava*, *Chitta Prasadana* and its helpers, The metaphysics of Sankhyadarshana and its relation with Patanjali Yogadarshan.

Unit-2: - Samadhi Pada-II and Sadhan Pada (20 hours): -

Ishwar: Swarup, Pranava chanting and its results, Ashtanga Yoga - 1 (Bahirang Yoga- Yama, Niyam, Asana, Pranayama, Pratyahara), Importance and Relevance of Ashtanga Yoga and Kriya Yoga, Concept of Kriya Yoga, Describing *Klesha*, Measures of *Klesha* elimination, *Vivek Khyati*, *Chaturvyuhavaad*, the character of *Drishhta & Drishya*, the form and types of samadhi - *samprajnata*, *asamprajnata*, *sabijand nirvij samadhi*.
Ritam bhara Pragy and *Adhyatma Prasad*.

Unit 3: - Vibhuti Pada - (10 hours)

Ashtanga Yoga - II (*Antaranga* Yoga - Dharna, Dhyana, Samadhi), Concept of *Sanyama* - *Sanyama* and its three consequences, Concept of *Vibhuti* and introduction of main vibhutis, Describing Ashtasiddhi .

Unit-4: - Kaivalya Pada (10 hours); -

Five types of Siddhis (birth, medicine, mantra, penance and samadhija), Nirmaanchitta. Types of Karma, *Vaasna*, *Vivek Gyan*, *Dharma Megha Samadhi*, *Kaivalya*

Prescribed text book

योगदर्शनम्- स्वामीरामदेव, दिव्यप्रकाशन, ँतंजलियोगपीठ, हरिद्वार

दर्शनप्रवेश-दिव्यप्रकाशन, ँतंजलियोगपीठ, हरिद्वार

सहायकपुस्तक -

भोजवृत्ति

योगदर्शनम्-गीताप्रेस

BOOKS FOR REFERENCE

BKS Iyengar: Introduction of Patanjali Yogasutras: MDNIY, New Delhi, 2011.

Swami Ved Bharti: Yogasutra of Patanjali (with the Exposition of Vyasa) M.L.B.D. New Delhi, 2004, Vol I & II.

Name of the Course: Yoga Therapy

Course Code: YS 202

Course Objectives:

Following the completion of this course, students shall be able to
Prescribe the integrated yoga module for the individual case after detailed documentation and report it to the referring consultant.

Request for assessment measures if necessary
to confirm the diagnosis,
to assess the present status of the disease, and
for follow up.

To be able to monitor the medication and modify it suitably as the case progresses with yoga practices and report it to the referring consultant.

To prescribe and administer yogic prescription for the specific disease for each condition the following aspects will be covered:

Brief overview of the condition including definition, prevalence, clinical features, diagnostic criteria, causes, Patho-physiology, measurements- investigations to assess the effect of yoga, Yogic Management -rationale for the disease specific yoga protocol, scientific evidence if available, practices of choice and contra-indications. Probable healing mechanisms.

Course Outcome:

CO1: Student will familiarise with yogic concept of human anatomy and physiology on their basis they would apply ancient techniques of yoga properly.

CO2: Student would know the different techniques which heal human body system.

CO3: Student will be capable to heal common diseases by applying yoga therapy.

Total number of hours 60		Theory	Tutorial	Practical
Hrs / week		3	1	0
Scheme of Examination				
Total Marks 100				
Theory : 100		Practical : 0		
Final Exam	Internal Assessment	Final Exam	Internal Assessment	
70	30			

Unit-1 Yoga Etiology, Diagnosis and Therapy (12 hours)

Yogic Anatomy and Physiology: Concept of Psychic Centers, Pancha Kosha and three planes of human being; and effects of their activation and impairment over somatic, psychic and psycho-somatic levels of human existence. Yogic diagnostic techniques: Connections of Swar Science, Prana and Breathing Patterns over somatic, mental and psycho-somatic levels. Association of Psychic centers over nerve plexus and endocrine glands; Concept of health and wellness in terms of WHO, Ayurveda and Yoga; Concept of Yoga Therapy: Meaning, Definition, Aims, Principles, Factors Impacts and Limitations; Qualities of a yoga therapist.

Unit-2: Musculo-Skeletal Disorders (12 hours)

Back Pain: Classification of back pain: organic and functional: Lumbar Spondylosis, Intervertebral disc prolapse (IVDP), Spondylolisthesis, Spondylitis, Psychogenic- Lumbago, Medical and Yogic management: Neck pain: Classification- Cervical Spondylosis, radiculopathy, Functional neck pain; Medical and Yogic management, All forms of Arthritis: Rheumatoid Arthritis, Osteoarthritis, Medical and Yogic management.

Unit- 3: Gastro Intestinal and Excretory Disorders (12 hours)

Brief overview of the condition (Causes, Pathogenesis, Signs, Symptoms and complications), Yogic Management of Acid peptic disease - Indigestion Hyperacidity, Ulcer, Flatulence, Gastritis, Bowel problems - chronic Constipation and hemorrhoids, Irritable Bowel Syndrome, Ulcerative colitis or inflammatory bowel disease, Crohn's disease, gluten intolerance, food allergies; Excretory System: irritable bladder syndrome, stress incontinence, Chronic renal failure, Renal hypertension, Renal stones.

Unit- 4: Cardio-Pulmonary Disorders (12 hours)

Brief overview of the condition (Causes, Pathogenesis, Signs, Symptoms and complications), Yogic Management of Hypertension and Hypotension, Ischemic heart diseases, Varicose veins, Peripheral vascular disease, Autoimmune Arteritis. Brief overview of the condition (Causes, Pathogenesis, Signs, Symptoms and complications), Yogic Management (rationale for the disease specific yoga protocol, scientific evidence if available, probable healing mechanisms, practices of choice and contra indications). Allergic, autoimmune respiratory conditions -Allergic Rhinitis & Sinusitis, Bronchial Asthma, COPD & Emphysema- Occupational pulmonary disease.

Unit-5: Neurological and Psychiatric Disorders (12 hours)

Headaches: Migraine: Causes, Classification, clinical features, Medical and Yogic management, Tension headache: Causes and its symptoms and Medical and Yogic management; Cerebro vascular accidents: Causes, clinical features, Medical and Yogic management, Epilepsy, pain; Parkinson's disease: Causes, clinical features, Medical and Yogic management

Introduction to psychiatric disorders, classification - Neurosis, Psychosis: Neurosis: Anxiety disorders: Generalized anxiety disorder, Panic Anxiety, Obsessive Compulsive Disorder, Phobias: Medical and Yogic management: Depression: Dysthymia, Major depression, Medical and Yogic management; Psychosis: Schizophrenia, Bipolar affective disorder, Medical and Yogic management

TEXT BOOKS

Nagarathna R and Nagendra HR, Yoga therapy for common ailments series, SVYP publications, 2010

Swami Karmananda, Yoga therapy for common diseases, Yoga publication trust, Munger, 2001

Dr Robin Monro, Dr R Nagarathna and Dr H R Nagendra, Yoga for common ailments, Gaia Publishers

REFERENCE BOOKS

ShivanandSaraswati: Yoga Therapy (Hindi & English)

Rai, Lajpat: Discovering Human Potential energy: A Physiological Approach to Yoga (Anubhava Rai Publications, 1998)

Nagarathna, R and Nagendra, H.R.: Promotion of Positive Health, Swami V4ekananda Yoga Prakashana, Bangalore, 2002

Ramesh Bijlani: Back to Health through Yoga, Rupa Publications India Pvt. Ltd, 2011

MONIY publications: 10 Booklets, Yoga Therapy Series, MDNIY Publications, New Delhi, 2009

Swami SatyanandaSaraswati: Yoga and Cardio Vascular Management, Yoga Publication Trust, Munger, 2005

Nagarathna R and Nagendra H R: Yoga for Arthritis, Back pain, Diabetes, Pregnancy Breathing Practices, Swami Vivekananda Yoga Prakasana, Bangalore, 2000

Name of the Course: Hygiene, Diet & Nutrition
Course Code: YS 203

Course Objectives:

Following the completion of this course, students shall be able to Understand the concept of diet and the medical value of nutrition.

Advise appropriate diet to different age groups.

Know the benefits and caloric value of various food groups.

Understand and practice daily regimen, night regimen and seasonal regimen for health promotion, disease prevention and age reversal.

Course Outcome:

CO1: Student will learn to apply good habits in his daily routine, which in result improve the health status.

CO2: Students would be capable to know about the reason behind arising the disease and to cure them by following a good seasonal routine.

CO3: Student would be capable to design a healthy diet plan which help in getting all the necessary nutrients for the body.

Total number of hours 60		Theory	Tutorial	Practical
Hrs / week		3	1	0
Scheme of Examination				
Total Marks 100				
Theory : 100		Practical : 0		
Final Exam	Internal Assessment	Final Exam	Internal Assessment	
70	30			

Unit-1: Basic concepts and components of food and nutrition (12 hours)

Understanding Nutrition, Basic Terminology in Relation to Nutrition, Human Nutritional Requirements; Concept of food, Acceptance of Food, Functions of Food; Components of Food & their Classification; Macro Nutrients -Sources, Functions and Effects on the Body; Micro Nutrients - Sources, Functions and Effects on the Body; Fat Soluble Nutrients - Sources, Functions and Effects on the Body; Water soluble Nutrients - Sources, Functions and Effects on the Body.

Unit-2: Food groups (12 hours)

Cereals & Millets -Selection, Preparation and Nutritive Value; Pulses, Nuts and Oil Seeds- Selection, Preparation and Nutritive Value; Milk and Milk Products - Selection, Preparation and Nutritive Value; Vegetables and Fruits- Selection, Preparation and Nutritive Value, Fats, Oils and Sugar, Jaggery. Selection, Preparation and Nutritive Value.

Unit-3: Food and metabolism (12 hours)

Energy-Basic Concepts, Definition and Components of Energy Requirement, Energy Imbalance, Concept of Metabolism, Anabolism, Catabolism, Caloric Requirement-BMR, SDA, Physical Activity, Metabolism of Carbohydrates, Lipids and Protein; Factors Affecting Energy Requirement and Expenditure, Factors affecting BMR, Factors affecting thermal effect of Food, Factors affecting energy expenditure in physical activity:

Unit - IV: Yogic concept of diet & nutrition (12 hours)

General Introduction of Ahara (Diet), concept of Mitahara; Definition and Classification of Yogic diet according to traditional Yoga texts; Concepts of Diet according to Gheranda Samhita, Hatha Pradeepika and Bhagavadgeeta-Rajasic, Tamasic and Sattvic food; Pathya and Apathya in diet according to Yogic texts; Guna and Ahara; Importance of Yogic Diet in Yog Sadhana; Yogic Diet and its role in healthy living: Diet according to the body constitution (Prakriti) - Vata, Pitta and Kapha.

Unit-V: Swasthavritta (12 hours)

Swasthavritta: Meaning, Definition, Aims and Aspects; Three pillars of Swasthavritta-Aahar (Diet), Nidra (Sleep), Brahmacharya (Celibacy). Dincharya (Daily regimen) & Ratricharya (Night Regimen): Meaning, Definition and sequential elements with their practical applications: Ritucharya (Seasonal Regimen): Meaning, Definition, Types with their salient features, Season wise Accumulation, Aggravation and Pacification of three Humors (vata, pitta, kapha): Season wise Does and Don'ts; Application of Dincharya, Ratricharya and Ritucharya for health promotion, rejuvenation, disease prevention and age reversal. Concept of Sadwrittaevam Achar Rasayana.

TEXT BOOKS

आयुर्वेदजड़ी-बूटीरहस्य- आचार्यबालकृष्ण
आयुर्वेदीयशरीरक्रियाविज्ञान- शिवकुमारगौड़
स्वस्थवृत्त- डॉ० रामहर्षसिंह

· Ramesh Bijlani: Eating Wisely and Well, Rupa Publication India Pvt. Ltd, 2012

BOOKS FOR REFERENCE

Stanley Davidson & others: Human Nutrition & Dietetics, The English Language Book Society & Churchill Livings, Revised Edition

Dennis Thompson: The Ayurvedic Diet, New age books, New Delhi, 2001

Randolph Stone: A Purifying Diet, Lilawati Bhargav Charitable Trust, Delhi, Revised Edition

Name of the Course: Complementary & Alternative Therapy (CAT)

Course Code: YS 204

Course Objectives:

State concept, prevalence, objectives, types, applications and limitations of CAT & Have knowledge & skills of therapeutics related to acupressure, pranic healing, and dietary supplements for managing some of the common health problems and rejuvenation.

Course Outcome:

CO1: Student will learn the nature and concept of alternative therapies.

CO2: Student will be familiarise with the concept of pranic healing and acupressure points through which they can heal major disease.

CO3: Student could easily apply these different therapies and help society by its remedial effects.

Total number of hours 60		Theory	Tutorial	Practical
Hrs / week		3	1	0
Scheme of Examination				
Total Marks 100				
Theory : 100		Practical : 0		
Final Exam	Internal Assessment	Final Exam	Internal Assessment	
70	30			

UNIT 1(12hours)

CAT: History, Meaning, Definition, Objectives, Types, Prevalence, Contemporary Need, Applications and Limitations. **Mind-Body Therapy:** Origin, Meaning, Definition, Aims, Principles, Factors, Impacts, Prevalence, Applications, and Limitations. Pioneers in MBM in modern era-Yogrishi Swami Ramdev, Acharya Balkrishna, Swami Satyananda, BKS Iyengar, Norman Cousins, Deepak Chopra, Herbert Benson, Dean Ornish, Bernie Siegal, Lorry Dossey; Need of mind body medicine; Mind body relationship and modern medicine: Epidemiological studies, clinical studies, & experimental studies; Placebo and Nocebo.

UNIT 2 (12 hours)

Manipulative-Body Based Therapy (MBT): Meaning, Definition, Aims, Principles, Types, Impacts, Prevalence, Applications, and Limitations. Acupressure: Origin, Meaning, Definition, Principles, Five Elements Theory, Chi Clock Cycle, Meridian Systems and Locating Acupoints on 12 Major Meridians and Reflexology.

UNIT 3 (12 hours)

Energy Medicine: History, Meaning, Definition, Types, Principles, Applications and Limitations. **Pranic Healing:** Origin, History, Meaning and Sources of Prana; Principles, Law of Action, & Types (Basic, Advanced, and Psychotherapy); Bio-plasmic body/Aura: structure, types and size; Energy Centers (EC): Meaning, Types (Major, Minor and Mini), Sizes, Colors, Functions and Consequences of their Dysfunctions; Ahartic Yoga & Twin Meditation, Scanning Auras or Chakras, Sweeping and Energizing Procedures,

UNIT 4 (12 hours)

Acupressure & Pranic Therapeutics: Low Back Pain, Arthritis, Obesity, Diabetes, Hypertension/Hypotension, Hyper/Hypo Thyroidism, Liver Problem, Allergy, CAD, Anemia, Hyperacidity. Irritable Bowel Syndrome, Colitis, Piles, Migraine, Insomnia, Depression, Chronic Fatigue Syndrome, Epilepsy, Anxiety, Obsessive Compulsive Disorder, Leucorrhoea, Menstrual Disorders, Impotency, Infertility, CSF, Asthma, Pneumonia, Renal Problem, Varicose Veins, Distress, and Myopias.

UNIT 5

(12 hours)

Biologically Based Products (Dietary Supplements & Herbal Remedies) Probiotics and Prebiotics, Antioxidants, Glucosamine Sulfate, Gultamine, Selenium, Curcumin, Multivitamins and their Natural Sources, Omega-3 Fatty Acid and Tryptophan their Functions and natural Sources; **Panchgavya** (Indigenous Cow urine, dung, milk, curd, ghee): Importance & uses in disease prevention & health promotion.

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- Acharya, B. (2005). Ayurveda Jadi-butlRahasya. Haridwar, India: DivyaPrakashan.
- Brahmabarchas. (2003). NidanChititsa. Haridwar, India: Ved Mata Gayatri Trust.
- Colledge, N. R., Walker, B. R. & Ralston, S. H. (2010). Davidson's Principles & Practice of Medicine (21st ed.). China: Churchill Livingstone, Elsevier.
- Holford, P. & Bume, J. (2007). Food is better medicine than drugs. Great Britain: Piatkus.
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- Joshi, S. A. (2011). Nutrition and dietetics with Indian case studies. New Delhi, India: Tata McGraw-Hill.
- Lian, Yu-Lin; Chen, Chun-Yan; Hammes, M. & Kolster, B. C. (2005). Pletorial atlas of acupunctur: An illustrated manual of acupunctur points. Solvenia: h. f. ullmann.
- Micozzi, M. S. (2015). Fundamentals of complementary and alterntive medicine (5thed.). China. Elsevier Saunders.
- Patanjali Research Foundation. (2015). Research Publications. Haridwar, India: DivyaPrakashan
- Peeters, J. (2008). Reflexology. Bath BAMHE, UK: Paragon.
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- Sah, R. L., Joshi, B., & Joshi, G. (2002). Vedic health care system. New Delhi, India: New Age Books.
- Sharma, S. (1998). JivemSaradmSatam. Mathura, India: Akhand Jyoti Samsthan.
- Sharma, S. (2010). Gayatri Mahavijyan (Combined and revised ed.). Mathura, India: YugNirman Yojana Bistar Trust.

Name of the Course: Yoga Practicum

Course Code: YS 205

Course Objectives:

Following the completion of the course, students shall be able to:

State techniques, health benefits, applications, precautions and contraindications of under mentioned yogic practices; &

To demonstrate and instruct under mentioned yogic practices.

Course Outcome:

On completion of this course, the students will be able to:

CO1: develop understanding of different yogic techniques.

CO2: attain perfection to perform different yogic practices.

CO3: learn the practical interpretation of Shatkarma.

CO4: conduct practical sessions.

CO5: Conduct Yajya practical sessions

CO6: explain techniques of Pratyahara, Dharana and Dhyana.

Total number of hours 60		Theory	Tutorial	Practical
Hrs / week		0	1	3
Scheme of Examination				
Total Marks 100				
Theory : 0		Practical : 100		
Final Exam	Internal Assessment	Final Exam	Internal Assessment	
		70	30	

Shatakarma: Dand dhauti, Vastr dhauti, Nauli, Trataka. -10 marks

Aasana: -30marks

Dvipada Skandhasana, Purna Bhujangasana, Purna Matsyendrasana, Pakshee Aasan, Vrishchik Aasana, Padma Mayurasana,

Purna Vrishchikasana, Takiya Aasana, Padma Sheershasana, Karnapidasana, Purna Dhanurasana, Gorakshasana,

Purna Chakrasana, Purna Shalabhasana, Ek Pada Bakasana, Omkar Aasana, Purna Natarajasana

And all the practices of previous semesters.

Pranayama – 10 marks

Udgeeth , Moorchha.

Dhyana & Viva: Vijnanamaya & Anandamaya kosha - 20marks

Viva: - 5 marks

Name of the Course: Complementary & Alternative Therapy Practicum

Course Code: YS 206

Course Objectives:

Following the completion of the course, students shall be able to:

- Practice skills of therapeutics related to acupressure, pranic healing, and dietary supplements for managing some of the common health problems and rejuvenation.

Course Outcome:

CO1: Student will be familiarise with water therapy, pranic healing and acupressure points.

CO2: Students will have capability to treat different major disease with help of these therapies.

Total number of hours 60		Theory	Tutorial	Practical
Hrs / week		0	1	3
Scheme of Examination				
Total Marks 50				
Theory : 0		Practical : 100		
Final Exam	Internal Assessment	Final Exam	Internal Assessment	
		70	30	

Acupressure –15marks

PranicHealing – 15marks

AcupressureandPranicHealingTreatmentmethods
of HealthproblemsdescribedinYS-204 -

30marksDietary Supplements&HerbalRemedies -10marks

*Note:Microcontents&formatofPracticalonaforesaidcontentswillbeworkedoutin
consultationwithconcerned*