Shri Rawatpura Sarkar University, Raipur (C.G.), India



Examination Scheme & Syllabus For Bachelor of Science

in

Yoga Science & Therapy

(Effective from the Session: 2022-23)



Faculty of Science

Shri Rawatpura Sarkar University, Raipur

Bachelor of Science in Yoga Science & Therapy

(Effective from the Session: 2022-23)

Examination Scheme

Semester- I

S.	Course	Th/		Type of -		eachi ours p week	ber		Examination Scheme				Fotal Marks	
S. N	Code	Pr	Subject	Course				TC	The	ory	Practical		M	
•	Coue			course	L	Т	Р		EX	IN	EX	IN	Tota	
1	SSH01-101	Th	Foundation of Yoga	Core	3	1	-	4	70	30	-	-	100	
2	SSH01-102	Th	Principle and Practices of Hath Yoga	Core	3	1	-	4	70	30	-	-	100	
3	SSH01-103	Th	Human Anatomy and Physiology -I	Core	4	-	-	4	70	30	-	-	100	
4	SSH01-111	Th	Communication English	AECC- 1	2	-	-	2	35	15	-	-	50	
5	SSH01-151	Th	GE-1	GE-1	5	1	-	6	70	30	-	-	100	
6	SSH01-181	Th	Yoga Practical -I	Core Pr	-	-	8	4	-	-	70	30	100	
7	SSH01-182	Pr	Human Anatomy and Physiology Practical -I	· I OTP PT		-	4	2	-	-	35	15	50	
Total Contact hr per week: 32			Total C	Total Credit: 26							Total Marks:			

Course Title	FOUNDATION OF YOGA									
Course Code	SSH0	SSH01-101								
Course	L	Т	Р	TC						
Credits	3	1	-	4						
Prerequisites	Basic	know	ledge	of Yog	a philosophy.					
Course Objectives		 The teaching-learning of this paper will enable learner to- Give an introduction of Yoga and its important streams, Give a brief introduction of Yogies. Give a brief history and the basis different types of Yoga. 								
	UNIT-I Introduction:Yoga it's Definition & Objectives.Historic background of YogaCharacteristics of a Yogi, Relevance of Yoga in Modern age. Introduction of Shadadarshana and Purusharthachatusthaya.									
	UNIT-II Yoga in different Texts:Veda, Upanishads, Geeta, Yoga Vashistha. Patanjal Yoga Sutra,									
Course Contents	UNIT-III Types of Yoga: Brief introduction on Hatha Yoga, Raja Yoga, Mantra Yoga, Laya Yoga, Kriya Yoga.									
	UNIT Types Tantra UNIT	s of Y a Yog	-	Brief i	introduction on Gyana Yoga, Bhakti Yoga, Karma Yoga,					
	Swam	ni Viv	rekana	nda, Si	porary Yogies of India: MaharshiPatanjali, Gorakhnath, ri Aurobindo, Pt. Shree Ram SharrmaAcharya, Maharshai yanandSarswati.					
Course Outcomes	By learning fundamentals of yoga students will have clear vision about the terminology and concepts of yoga. It will pave the path of spiritual journey with the insight wisdom of yoga.									
Text Books	2. य	ोगविज्ञ	ान–स्व	- ामीविज्ञान्	Dr.Kamakhya Kumar नानंदसरस्वती ज़्जारावत					

	1. Dasgupta S. N: History of Indian Philosophy, MotilalBanarsidas, Delhi,2012
Reference Books	 Sharma, Chandradhar: A Critical Survey of Indian Philosophy. MotilalBanarasidas, Delhi,2013. Agarwal M M :Six systems of Indian Philosophy, ChowkhambhaVidyaBhawan, varanai, 2010

Course Title	Principle and Practices of Hath Yoga									
Course Code	SSH01-102									
Course	L	Т	Р	ТС						
Credits	3	1	-	4						
Prerequisites	Basic knowledge of hatha Yogic Texts.									
Course Objectives	The	 The teaching-learning of this paper will enable learner to- To give an introduction of Hathayoga To give an understanding of the prerequisites of HathaYoga To introduce the principles of HathaYoga To introduce essential Hatha Yogatext 								
	 UNIT-I Introduction: Hatha Yoga – its Definition & Objectives, Origin & Tradition of Hatha Yoga, Introduction to different Hatha Yogic texts. Importance of Place, Environment & Season for Hatha Sadhana. Sadhak & Badhak tatwa to Hatha Sadhana. Prohibited & Conducive food in Hatha Sadhana. UNIT-II 									
Course Contents	 Physical Purification, Stabilization & inner control disciplines Shatkarm Techniques, Benefits and Cautions, Asanas- Techniques, benefits and cautions. UNIT-III Pranayama, Mudra and bandha: Nadishodhan Pranayama – Techniques benefits and cautions, Pranayama (Astha Kumbhaka)– Techniques, benefits and cautions, Mudra & Bandhas: Techniques, benefits and precautions, Hathasidd Lakshanam. 									
	Benefits, Samadhi: Ty UNIT-V	hi: Types & pt: Kunda	gic Practices: Pratyahara, Dhyana: Techniques, Processes & i: Types & their Processes. Nadanushandhana. ot: Kundalini Shakti, Chakras, Naadi, Technique of awakening							
Course Outcomes	scie: to p	ntific to ractice	echnic and te	ues of Hat	aayashuddhi, e.i physical purification with the h Yoga based on classical text. The students will able crete technique of hath Yoga and will be prepared for					
Text Books		1. हत्प्र	नदीपिव	ज–स्वामी मु	क्तिाबोधानंद					

	2. घेरण्ड संहिता-स्वामी निरंजनानंद
	3. आसन प्राणायाम एवंमुद्रा बंध–स्वामी सत्यानंद सरस्वती
	4. Hatha Yoga Pradipika–KaivalyadhamLonawala
	 Hatha Yoga Pradipika – Swatmaram, Swami Digamberji Pt. Raghunath ShastriKokaje
Reference Books	2. Gheranda Samhita- Kaivalyadham, Lonawala
DUUKS	3. Asan, Pranayama, Mudra, Bandha- Swami Satyananda Saraswati
	4. Hatha Yoga Pradipika of Swatmaram- Theasophical Society.

Course Title	Human Anatomy and Physiology -I									
Course Code	SSH0	SSH01-103								
Course	L	Т	Р	ТС						
Credits	4	-	-	4						
Prerequisites	Basic	Basic knowledge of Human Body and System.								
Course Objectives	 The teaching-learning of this paper will enable learner to- Discuss introduction to human body with concept of cells, tissues, skeletal system, muscular system, respiratory system, cardiovascular system with their gross anatomy andphysiology. Discuss anatomical & physiological effects of selected yoga practices on aforesaid contents of human body in evidence basedway. 									
Course Contents	 C T B ly E S Unit-1 T Unit-1 Unit-1 	Cell & In Sody S Cody S Comphatin I Mus The Sku The Sku The Sku The Trun The upp pper lim The low mb III T Anatom Stomac Digesti Digesti	ts Con Type ystem ic system ic system culosi ll: Van nk: Sp Il: Van nk: Sp Il: Van nk: Sp Inter er lim nb er lim the Ga ny of ch, Du ve org on and	nponents s, Structu ss: Integ stem, Re stem, C celetal S cious con bine, Ver -costal m bi: The m bi: The m bi: The man estrointe the Gas odenum, gans- Liv d Absorp	on of Human Body: : Nucleus, Cell Membrane And Cytoplasm ure & Function gumentary system, skeletal system, Muscular system, espiratory system, Digestive system, Nervous system, ardio-vascular system, Urinary system & Reproduction ystem: nponent bones, Sutures, Foramina, Air Cells, Sinuses. tebral bodies, Inter-vertebral discs, Spinal canal, Rib Cage, nuscles, Diaphragm, & Intra-abdominal skeletal muscles. names of bones, joints of upper limbs, & Muscles of the ames of bones, joints of lower limb,& muscles of the lower stinal System (Digestive System) trointestinal System: Mouth and Oral Cavity, Esophagus, Jejunum, Ileum, Colon, Appendix, Sigmoid and Rectum, er, Gall Bladder, Salivary Glands, & Pancreas. tion of Food r – Carbohydrate, fat and protein metabolism					

	 it-IV Immune System Immunity: types of immunoglobulin, Formation of antibodies, Organs of Immune system& Cell immediate immunity. Immunity against Viral, Bacterial, & Protozoa infections. Autoimmunity. Effects of Yoga Practices on Immune System. 							
Uni	 Immune system& Cell immediate immunity. Immunity against Viral, Bacterial, & Protozoa infections. Autoimmunity. Effects of Yoga Practices on Immune System. 							
Uni	 Effects of Yoga Practices on Immune System. 							
Uni								
Uni								
	it-V The Respiratory & Cardio-vascular System:							
	 Structure of Lungs and bronchi, alveolar gas exchange, Respiratory volumes. 							
	 Biochemistry: Atmospheric gases. 							
	 Transport of oxygen and carbon dioxide. Regulation of respiration, neural control of breathing, Chemical control of breathing. 							
	 Composition of blood 							
	 The heart: Its structure, Heart valves & chambers, Coronary blood vessels; The cardiac muscle and its characteristics 							
	 The great vessels Arteries, veins and capillaries 							
	 Regulation of circulatory function: Vasomotor center, sympathetic and parasympathetic activity. 							
	 Effects of Yoga Practices on Respiratory and Cardiovascular System. 							
Outcomes and	man anatomy and physiology provides a comprehensive knowledge of human body it helps to understand the impact of yogic practices upon human body and its visiology.							
1.	. मानव शरीर रचना एवं क्रियाविज्ञान–अनन्त प्रकाश गुप्ता							
Text Books 2.	2. आयूर्वेदीय शरीर रचनाविज्ञान–ताराचन्द्र शर्मा							
3.	. मानव शरीरदीपिका—मुकुन्द स्वरूप वर्मा							
Reference 4.	. शरीर रचना कियाविज्ञान –जे. पी. ब्रदर्स							
DI	. Anatomy and Physiology - J. P. Brothers							

Course Title	Com	Communication English								
Course Code	SSH0	SSH01-111								
Course	L	Т	P	ТС						
Credits	2	-	-	2						
Prerequisites	Basic	knowl	edge o	of Engl	ish Grammar and Language.					
Course Objectives	•									
	•	Concep								
	Process and Elements of Communication: context of communication; the speaker/writer and the listener/reader; Medium of communication; Principles of communication (7 C's of communication); Barriers in communication, effective communication; Communication in organization.									
	UNIT – II									
	Writing									
	Selecting material for expository, descriptive, and argumentative pieces; Resume; covering letter, Elements of letter writing and style of writing, business letters: Quotation and Tenders; Basics of Informal and Formal Reports-technical report writing, lab report; Précis writing.									
	UNIT – III									
Course	Reading									
Contents	Effective Reading; reading different kinds of texts for different purposes; reading between the lines. Comprehension of Unseen Passages.									
	Agree tags.	ment o Voice	of Sub and	ject an Narrati	of Accidence and syntax with reference to Parts of Speech; d Verb; Tense and Concord; Use of connectives, Question on. Indianism in English: Punctuation and Vocabulary, nym, Verbal Analogy and One Word Substitution).					
	UNIT – IV									
	Speak	ing								
	inform	nal and	d sem	i-forma	and fluency; effective speaking; task-oriented, inter-personal, al speaking. Meetings, Seminar, Conferences, Interviews, l communication.					
	UNIT	$-\mathbf{V}$								
	Listen	ing								
	Achie	ving a	ability	to co	omprehend material delivered at relatively fast speed;					

	comprehending spoken material in Standard Indian English, British English and American English; Intelligent listening in situations. Advantages of listening. Hearing and Listening; Essentials of Good Listening. Use of Modern Communication Devices; Telephonic Conversation.
Course Outcomes	After completion of this course student will be able to understand the language for presenting the real extract of the subject to the society.
	 Sharma RC & Mohan K – "Business Corresponding and Report Writing", Tata McGraw Hill, New Delhi, 1994.
Text Books	 Alok Jain, P S Bhatia & A M Shiekh – "Professional Communication Skills; S. Chand & Company Ltd. 2005.
	 Rajendra Pal and JS Korlahalli – "Essentials of Business Communication", Sultan Chand & Sons, 1997
	 A guide to Correct English – Oxford University Press, Ely House, London W.I., Latest Edition. (For UNITIII)
	 Fiske, john – "Introduction to Communication Studies", Rotledge London,1990.
Reference Books	 Geoffrey Leech & Jan Svartvik – "A Communicative Grammar of English", ELBS Longman, England.Bill Scott – "The Skills of Communicating", Jaico Publishing House, Mumbai,2004.
	4. Gartside L- "Model Business Letters", Pitman, London, 1992.
	 Krishna Mohan & N. P. Singh – "Speaking English Effectively"; MacMillan India, New Delhi; 2001.
	6. 100 Tests in VOCABULARY; Indian Institute of Publishing, Chennai.

Course Title	GE-1 (FOUNDATION OF YOGA)								
Course Code	SSH0	SSH01-151							
Course	L	Т	Р	ТС					
Credits	5	1	-	6					
Prerequisites	Basic	Basic knowledge of Yoga Philosophy.							
	The	e teachi	ng-lea	rning o	f this paper will enable learner to-				
Course Objectives		• Give	a briet	fintrod	on of Yoga and its important streams, uction of Yogies. y and the basis different types of Yoga.				
	UNIT	-I							
	Introduction: Yoga- its Definition & Objectives. Historic background of Yoga, Characteristics of a Yogi, Relevance of Yoga in Modern age, Introduction of Shada darshana and Purushartha chatusthaya.								
	UNIT-II								
	Yoga in different Texts: Veda, Upanishads, Geeta, Yoga Vashistha. Patanjal Yoga Sutra.								
Comme	UNIT-III								
Course Contents	Types of Yoga : Brief introduction on Hatha Yoga, Raja Yoga, Mantra Yoga, Laya Yoga, Kriya Yoga.								
	UNIT-IV								
	Types Yoga.	Types of Yoga: Brief introduction on Gyana Yoga, Bhakti Yoga, Karma Yoga, Tantra Yoga.							
	UNIT	-V							
	Ancient and Contemporary Yogies of India: Maharshi Patanjali, Gorakhnath, Swami Vivekananda, Sri Aurobindo, Pt. Shree Ram Sharrma Acharya, Maharshai Mahesh Yogi, Swami Dayanand Sarswati.								
Course Outcomes	By learning fundamentals of yoga students will have clear vision about the terminology and concepts of yoga. It will pave the path of spiritual journey with the insight wisdom of yoga.								
Text Books	2	. योग	विज्ञान	-स्वामी	a- Dr.Kamakhya Kumar विज्ञानानंद सरस्वती अनुजा रावत				

	1. Dasgupta S. N: History of Indian Philosophy, Motilal Banarsidas, Delhi,2012
Reference Books	 Sharma, Chandradhar: A Critical Survey of Indian Philosophy. Motilal Banarasidas, Delhi,2013. Agarwal M M :Six systems of Indian Philosophy, Chowkhambha Vidya Bhawan, varanai, 2010

Course Title	YOGA PRACTICAL- I								
Course Code	SSH01-181								
Course	L	Т	Р	TC					
Credits	-	-	8	4					
Prerequisites	Basic knowledge of different limbs of Yoga.								
C		f this paper will enable learner to-							
Course Objectives					th benefits, applications, precautions and contraindications ogic practices				
	• T	o demo	nstrat	e and ir	nstruct under mentioned yogic practices.				
	Prelin	ninary	Asan	a Pract	ices:				
		ma Vya nachari	ayam ·	- (Budd	hi-Dhriti, Netra, Karna, Griva, Shakti vikasak) – Dheerendra				
	1. Pawan Muktasana part-1 (Gh.S.)								
	2. Pawan Muktasana part-2 (A.P.M.B.)								
	3. Tadasana (Asana - W & H)								
	4. Tiryak Tadasana (A.P.M.B.)								
	5. Kati Charasana (A.P.M.B.)								
	6. Dandasan (A.P.M.B.)								
	7. Vajrasan (Asana-W & H)								
	8. Shashanka-Bhujangasana (A.P.)								
Course	9. Druta-Halasana (A.P.)								
Contents	10. Marjariasan (A.P.M.B.)								
	11. Shavasana (Gh.S.)								
	12. Uttanpadasan (Asana-W & H)								
	13. Swastikasana (H.P.)								
	14. Ardha Shalabhasana (Asana-W & H)								
	15. Butterfly Asana (A.P.M.B.)								
		16. Pa	wan I	Muktasa	ana part-2 (A.P.M.B.)				
		17. V	riksha	sana (A	Isana-W & H)				
	18. Side-Bend Chakrasana (Asana-W & H)								
		19. G	omukl	nasana ((Asana-W & H)				
		20. Ja	nu-Sh	irasana	(A.P.M.B.)				

	21. Surya Namaskar (B.Y.S. Munger)								
	Shatkarma:								
	• Jala-Neti (Gh.S.)								
	Rubber-Neti (Gh.S.)								
	Kapalbhatti Vatkram -15 -30 stocks (Gh.S.)								
	• Mantra:								
	 Swasti mantra (Dev Yajan), Om-Mantra & Chanting, Gayatri Mantra, Mahamrityunjay Mantra 								
Course Outcomes	A scientific and well-mannered yogic practice based on classical text as well as contemporary trends will provide the talent to students to explore the science beauty and Philosophy of Yoga.								
Text Books	 Swami Satyananda Saraswati - Asan, Pranayama, Mudra, Bandha, Yoga publication trust, Munger, 2006. 								
	2. आसन प्राणायाम एवं मुद्रा बंध–स्वामी सत्यानंद सरस्वती								
	1. योगाभ्यासों की अध्यापन विधि –कैवल्य धाम लोनावला								
Reference Books	2. सभी के लिए योग–आयंगर								
	3. O.P. Tiwari - Asana why and how, Kaivalyadham SMYM samiti, Lonavala, 2012.								
	4. M.L. Gharote - Guidelines for Yogic Practices, Medha Publication, Lonavla.Pt. Shri Ram Sharma- Pragya Abhiyan ka Yoga Vyayam, Brahmvarchas shodh Sanshan, Shantikunj, Haridwar, 1998.								
	5. B.K.S. Iyengar - Light on Yoga, Harper Collins publisher, New Delhi, 2012.								

Course Title	Human Anatomy and Physiology Practical -I					
Course Code	SSH01-182					
Course Credits	L	Т	Р	ТС		
	-	-	4	2		
Prerequisites	Basic	knowle	dge o	fanator	ny and Physiology.	
Course Objectives	 The objectives behind teaching Human Biology is 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 Contents	 Study of Simple & Compound Microscope. An introduction to experiments on blood: Sample collection & Preservation. Slide Presentation – T.L.C D.L.C Platelets count R.B.C count Tissues Bones Recording of systemic Arterial Blood Pressure Recording of body temperature and effect of exposure to cold & hot environment. 					
Course Outcomes	Human anatomy and physiology provide a comprehensive knowledge of human body and it helps to understand the impact of yogic practices upon human body and its physiology.					
Text Books	1. मानव शरीर संरचना और क्रियाविज्ञान- वी. कुमार 2. मानव शरीर रचना और क्रियाविज्ञान- डॉ. अनंतप्रकाशगुप्ता 3. Anatomy & Physiology & Yogic Practices: Dr. M.L. Gharote and Prof. S.K. Ganguly 4. M.M. Gore: Anatomy and Physiology of Yogic Practices, 5. H.D. Coulter: Anatomy of Hatha Yoga, Delhi, India, Motilal Banarasidas					
Reference Books	 योगासन और शरीर विज्ञान- डॉ. राधेश्याम शर्मा Gore, M.M.: Anatomy and Physiology of Yogic practices (Kanchan Prakshan, Lonavala, 2003) Shirley Telles: A Glimpse of the Human body. (V K YOGAS, Bangalore, 1995) Sri Krishna: Notes on Structure and Functions of Human Body and Effects of 					

Yogic practices on it (Kaivalydhama S.M.Y.M Samiti, Lonavala, 1988)

	WORD KEY							
	BOOKS NAME	WRITER						
1.	A.P.M.B.=Asana Pranayam Mudra Ba	andh -	Swami Niranjananand					
2.	Asana-W & H=Asana Why & How	-	Dr. O.P. Tiwari					
3.	Y.K=Yoga Kuvalyanand	-	Swami Kuvalyanand					
4.	H.P=Hath Pradipika (Kaivalyadham)	-	Swami SwatmaramSuri					
5.	Y.D.= Yoga Dipika	-	B.K.S. Ayanger					
6.	B.Y.=Bahirang Yoga	-	ParamhansYogeshwaranand					
7.	Gh.S.=Gherand Samhita	-	MaharshiGherand					
8.	M.V.=Mudra Vigyan	-	ShriKapilDevShastri					
9.	K.Bh Karmakand Bhaskar	-	Pt. Shri Ram Sharma Acharya					
10.	G.M. =Gayatri Mahavigyan	-	Pt. Shri Ram Sharma Acharya					
11.	A.P.= Asana Pranayam	-	Swami Atmabindu					
12.	H.Y.V. = Hath Yoga Vidya	-	Swami Vigyananand Saraswati					
13.	P.Y.P.= Patanjali Yoga Pradip	-	Swami Omanand Tirth					
14.	T.K. & Y.V.= Tantra Kriya &Yoga V	idya -	Swami Satyanand Saraswati					
15.	P.Y.S. = Patanjali Yoga Sutra	-	Maharshi Patanjali (Gita Press)					
16.	Dev Yajan	-	Swami Shivanand Saraswati					
17.	Dharana & Dhyan	-	Swami Satyanand Saraswati					
18.	Yoga Pratibha	-	Pratibha Rani Dwivedi					
19.	Rudrabhishek	-	Pt. Shri Ram Sharma Acharya					