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**AARIHANT HOMOEOPATHIC MEDICAL COLLEGE
& RESEARCH INSTITUTE**

PROGRAMME NAME- B.H.M.S.

I BHMS

SUBJECT NAME- HUMAN ANATOMY

SUBJECT CODE: Hom UG-AN

COURSE OUTCOMES (CO)-

At the end of the course, I BHMS student must be able to

- 1) Recall the evolution of life and discuss the developmental anatomy and genetics of human.
- 2) Explain the ethics of Anatomy, such as Anatomy act, Body donation & receiving procedure and its legal aspects, develop respect to the human cadaver.
- 3) Identify the structural organization of man from micro to macro and its evolution from embryo and apply anatomy knowledge to achieve vertical integration with clinical subjects
- 4) Compare the structural organization of man with functional organization and its applied aspect.
- 5) Interpret the structural organization of man with homeopathic philosophy and concept of man, Homoeopathic Materia Medica, Repertory and Pharmacy.
- 6) Correlate structural organization in interpreting different investigations



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COURSE NAME- HUMAN PHYSIOLOGY & BIOCHEMISTRY

COURSE CODE Hom UG – PB

COURSE OUTCOMES (COs):

At the end of the course the student will be able to:

- 1) Tell the Homoeopathic concept of health in relation to integrated body structure and functions. Relate the concept of homeostasis with relevant ideas in Anatomy, Materia medica and Organon of Medicine at BHMS I level. Correlate knowledge of Organon & Materia Medica with Physiology.
- 2) Explain the normal functioning of the human body at all levels of organization and the physiological aspects of normal growth and development with focus on evolution.
- 3) Identify the normal values of haematology, clinical physiology & biochemistry.
- 4) Inspect micro functions at cellular level and correlate with macro functions at organ-system level.
- 5) Explain the integrated responses of the organs and systems of the body to physiological and pathological stresses.
- 6) Adapt experiments in haematology, clinical physiology & biochemistry as required for the study of physiological phenomena and for assessment of normal function.

COURSE NAME-HOMOEOPATHIC PHARMACY

COURSE CODE- Hom-UG-HP

COURSE OUTCOMES (CO)-

At the end of the course of Homoeopathic Pharmacy, I BHMS Student will be able to

- 1) Define the pharmacology of homoeopathic drugs with respect to the types of drug action, sphere of action and pharmacological action of homoeopathic drugs integrated with Homoeopathic Materia Medica, Anatomy and physiology.
- 2) Explain the principles that govern homoeopathic pharmacy. Explain the principles of pharmaconomy, dispensing and preservation of homoeopathic medicines.



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- 3) Apply the principles of Homoeopathic Posology in different health care setting like OPD/IPD integrated with Organon of Medicine and Homoeopathic Materia Medica.
- 4) Take part in Homoeopathic Drug Proving. State the methods of standardization and quality control of homoeopathic medicines to ensure the genuineness of homoeopathic medicines.
- 5) Evaluate the scope for research in homoeopathic pharmacy in the context of the recent advancements in pharmaceutical sciences.
- 6) Discuss the pharmacognosical basis of homoeopathic drugs with respect to their identification, nomenclature, source, part used, method of collection and preparation.

COURSE NAME- HOMOEOPATHIC MATERIA MEDICA

COURSE CODE- HomUG-HMM-I

COURSE OUTCOMES (CO)-

At the end of BHMS I course, Homoeopathic Materia Medica the students should be able to

- 1) Define the homoeopathic Materia Medica.
- 2) Understand the philosophy of homoeopathic Materia Medica.
- 3) Identify & Describe evolution, sources and construction of different types of Homoeopathic Materia Medica.
- 4) List the scope and limitations of Homoeopathic Materia Medica.
- 5) Evolve the portrait and symptomatology of a particular drug using the knowledge of pharmacy, psychology, anatomy, physiology and Organon of medicine.
- 6) Discuss the symptoms of a particular medicine in a clinical set-up with emphasis on individualizing symptoms.



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COURSE NAME- YOGA FOR HEALTH PROMOTION

COURSE CODE- HomUG-Yoga I

COURSE OUTCOMES (CO)-

At the end of course in yoga, the I BHMS student shall be able to

1. Define Yoga, Asanas and Pranayama.
2. Classify the different section of asana, pranayama, kriya and meditation.
3. The students will be trained in understanding the relationship between Yoga and Homoeopathy in a wholistic approach.
4. Explain the basic concept of Yoga and its philosophy.
5. Importance of Yoga in healing of Mental and Physical complaints.
6. Elaborate the application of yoga in part of treatment.

COURSE NAME- HOMOEOPATHIC REPERTORY & CASE TAKING

COURSE CODE- HomUG-R-I

COURSE OUTCOMES (CO)-

At the end of I BHMS, the student should be able to,

- 1) Define Repertory.
- 2) Explain the need and utility of repertory to find similimum, and for the study of Materia Medica
- 3) Identify different rubrics related to anatomy, physiology and psychology in Kent's Repertory
- 4) List the various terminologies used in repertory
- 5) Explain the role and need of Repertory.
- 6) Adapt the construction of Kent's Repertory as per the Hahnemannian Anatomical schema.



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COURSE NAME: ORGANON OF MEDICINE AND HOMOEOPATHIC PHILOSOPHY AND FUNDAMENTALS OF PSYCHOLOGY

COURSE CODE: HomUG-OM-I

COURSE OUTCOMES (CO):

At the end of course in Organon of Medicine and Homoeopathic philosophy and Fundamentals of Psychology, the I BHMS student shall be able to:

- 1) Define Case Taking show empathy with the patient and family during case taking
- 2) Explain the Cardinal Principles and Fundamental laws of Homoeopathy.
- 3) Apply the Theory of Chronic Disease to determine the miasmatic background in a case.
- 4) Simplify the concept of Health, Disease and Cure in Homeopathy
- 5) Interpret a case according to the Hahnemannian Classification of Disease
- 6) Discuss Analysis and evaluation of the case to form the Portrait of disease.

II BHMS

COURSE NAME- HOMOEOPATHIC MATERIA MEDICA

COURSE CODE- 73011204

COURSE OUTCOMES (CO)-

At the end of BHMS II course, Homoeopathic Materia Medica the students should be able to

- 1) Define science and philosophy of Homoeopathic Materia Medica.
- 2) Explain different ways of studying Homoeopathic Materia Medica.
- 3) Comparative study of symptoms, drug picture and drug relationship.
- 4) Discover the scope and limitations of Homoeopathic Materia Medica.
- 5) Examine acute and chronic cases, case processing including totality of symptoms, selection of potency and repetition of dose.
- 6) Theory of biochemical system of medicine and individualizing symptoms.



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COURSE NAME: ORGANON OF MEDICINE AND HOMOEOPATHIC PHILOSOPHY AND FUNDAMENTALS OF PSYCHOLOGY

COURSE CODE: 73011203

COURSE OUTCOMES (CO):

At the end of course in Organon of Medicine and Homoeopathic philosophy and Fundamentals of Psychology, the II BHMS student shall be able to:

- 1) Recall the concept of Susceptibility to determine posology in a given case.
- 2) Interpret the action of the medicine in a case on the basis of Remedy reactions.
- 3) Identify the various obstacles to cure, plan and treatment accordingly.
- 4) Analyze the various therapeutic modalities, auxiliary measures & its integration with prevalent & other concepts in the management of patients.
- 5) Appraise the qualities, duties & roles of a Physician as true practitioner of healing art.
- 6) Develop the competencies essential for primary health care in clinical diagnosis and treatment of diseases through the judicious application of homoeopathic principles

COURSE NAME- PATHOLOGY AND MICROBIOLOGY

COURSE CODE- 73011201

COURSE OUTCOMES (CO)-

At the end of course of study in Pathology and Microbiology, students shall be able to

- 1) Correlate the knowledge of aetiology, pathogenesis, structural and functional changes of disease in relation to Homoeopathic morbidity.
- 2) Demonstrate knowledge and understanding of disease condition.
- 3) Explain cellular aspects of pathological processes.
- 4) Develop basic knowledge regarding susceptibility and immunity in the evolution of disease.
- 5) Interpret investigations related to pathology & micro-biology for the prophylactic and therapeutic purposes. Recommend appropriate laboratory investigations for diagnosis in



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clinical conditions.

- 6) Construct the methods of disinfection, sterilization, prevention and control of infection and perform the basic clinic-pathologic procedures.

COURSE NAME- FORENSIC MEDICINE & TOXICOLOGY

COURSE CODE- 73011202

COURSE OUTCOMES (CO)-

At the end of course of study in Forensic Medicine & Toxicology, students shall be able to

- 1) Define or describe the medicolegal frame-work of our country.
- 2) Outline the duties and responsibilities of homoeopathic practioner.
- 3) Utilize the awareness of legal procedures applicable to medical practice.
- 4) Examine the medicolegal cases and prepare the medicolegal reports.
- 5) Explain “code of medical ethics”.
- 6) Diagnose the poisoning case and carry out medicolegal duties. Construct the relationship between law and medicine and basic signs and symptoms of toxicology and poisoning through study of FMT.

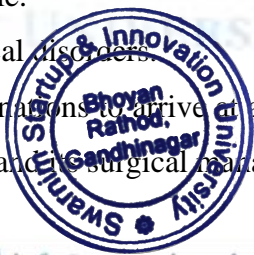
COURSE NAME- SURGERY

COURSE CODE- 73011206

COURSE OUTCOMES (CO)-

At the end of course of study in II BHMS, Surgery, students shall be able to

- 1) Find out and diagnose common surgical conditions
- 2) Compare and contrast homoeopathic medical treatment along with surgical treatment wherever necessary/possible.
- 3) Identify all common surgical disorders.
- 4) Simplify all clinical examinations to arrive at a surgical diagnosis and confirm them with various investigate modes and the surgical management.



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- 5) Mark the importance of recording of surgical cases.
- 6) Design pre and post operative surgical cases with homoeopathic medicine.

COURSE NAME- OBSTETRICS & GYNAECOLOGY

COURSE CODE- 73011207

COURSE OUTCOMES (CO)-

At the end of course of study in II BHMS, Obstetrics & Gynaecology, students shall be able to

- 1) Find out the scope of Homoeopathy in Obstetrical & Gynecological disorders.
- 2) Understand the case taking Performa in Obstetrical & Gynecological cases.
- 3) Choose the way to educate mother regarding the importance of breast feeding and care of baby.
- 4) Examine Obstetrical & Gynecological cases with its investigations.
- 5) Explain indications of surgeries in Obstetrical & Gynecological disorders.
- 6) Discuss about scope of Homoeopathy in treating any diseases in the new born.

III BHMS

COURSE NAME- HOMOEOPATHIC MATERIA MEDICA

COURSE CODE- 7301303

COURSE OUTCOMES (CO)-

At the end of BHMS III course, Homoeopathic Materia Medica the students should be able to

- 1) Show the concept of nosodes and its general indicators
- 2) Explain the concept of constitution, temperament and diathesis.
- 3) Experiment with concept of mother time cases
- 4) Analysis of acute and chronic cases
- 5) Importance of case processing including validity of symptoms, selection of potency and



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repetition of dose.

- 6) Observe and inspect Homoeopathic medicines emphasis on individualizing symptoms.

COURSE NAME: ORGANON OF MEDICINE AND HOMOEOPATHIC PHILOSOPHY AND FUNDAMENTALS OF PSYCHOLOGY

COURSE CODE: 7301304

COURSE OUTCOMES (CO):

At the end of course in Organon of Medicine and Homoeopathic philosophy and Fundamentals of Psychology, the III BHMS student shall be able to:

- 1) Recognize the scope and limitation of homoeopathy and to apply the Homoeopathic Principles for curative, prophylactic, promotive, palliative, and rehabilitative primary health care for the benefit of the individual and community.
- 2) Summarize the relevance of other systems of medical practice for rational use of cross referral and life saving measures, so as to address clinical emergencies
- 3) Develop capacity for critical thinking and research aptitude as required for evidence based homoeopathic practice.
- 4) Compare aptitude for lifelong learning and develop competencies as and when conditions of practice demand.
- 5) Judge the homoeopathy as per the medical ethics and professionalism.
- 6) Develop the necessary communication skills to work as a team member in various healthcare setting and contribute towards the larger goals of national policies such as school health, community health, environmental conservation.



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COURSE NAME- HOMOEOPATHIC REPERTORY & CASE TAKING

COURSE CODE- 7301307

COURSE OUTCOMES (CO)-

At the end of course in Repertory, the III BHMS student shall be able to

- 1) Choose the proper repertory like Kent, BTPB, BBCR for given case.
- 2) Classification of symptoms and its importance, Summarize the utility of classical repertories.
- 3) Construction of classical repertories in detail and Utility of each repertory in different type of cases.
- 4) Analysis of symptoms and common difficulties facing while treating chronic disease.
- 5) Importance of logic in compare of evaluation of symptoms.
- 6) Elaborate importance of general symptoms and discuss the utility of classical repertories. Adaptability of different repertories in different cases.

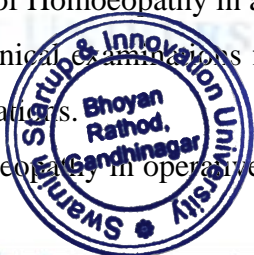
COURSE NAME- SURGERY

COURSE CODE- 73011301

COURSE OUTCOMES (CO)-

At the end of course of study in III BHMS, Surgery, students shall be able to

- 1) Recall the concept of repair, remove and replacement of the clinical conditions.
- 2) Explain the application of Materia Medica, Organon and Repertory in different surgical cases.
- 3) Identify general, surgical conditions which can be managed by homoeopathy for curative/palliative aspects also which have to be referred for surgical interventions.
- 4) Categorize the limitations of Homoeopathy in all surgical disorders.
- 5) Interpret the necessary clinical examinations for general surgical diagnosis and confirm them with various investigations.
- 6) Discuss the scope of homoeopathy in operative condition, where and when not to operate



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COURSE NAME- OBSTETRICS & GYNAECOLOGY

COURSE CODE- 73011302

COURSE OUTCOMES (CO)-

At the end of course of study in III BHMS, Obstetrics & Gynaecology, students shall be able to

- 1) Recall regarding prevention and eradication of genetic dyscrasias in women and know the role of Homoeopathy in doing so.
- 2) Explain normal structure and function of female reproductive system.
- 3) Develop a holistic care for healthy pregnancy, safe delivery and motherhood.
- 4) Conclude necessary Obs/Gyn examinations and referrals for complicated cases. Motivate couples to implement family planning and also educate infertile couple.
- 5) Measure Homoeopathic medicines with miasmatic approach in Obs/Gyn cases.
- 6) Imagine how to advice mother about high-risk pregnancy and its complications during antenatal care.

COURSE NAME- PRACTICE OF MEDICINE

COURSE CODE- 73011306

COURSE OUTCOMES (CO)-

At the end of course of study in III BHMS, Practice of Medicine, students shall be able to

- 1) Relate the disease condition with basics of Anatomy, Physiology, Biochemistry and Pathology.
- 2) Understand the man in respect of health, disposition, diathesis, disease and to know various predisposing causes of illness. Describe the causation, manifestation, diagnosis, prognosis and management of various diseases.
- 3) Apply the knowledge of Homoeopathic Materia Medica and Homoeopathic therapeutics



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in the clinical way. Identify the striking features which are characteristic to the individual.

- 4) Inspect various diagnostic techniques like X-ray, ECG, USG etc.
- 5) Have adequate knowledge to ensure that rational investigations are utilized.
- 6) Choose basic research methodology and be able to document cases scientifically.

COURSE NAME- COMMUNITY MEDICINE

COURSE CODE- 73011308

COURSE OUTCOMES (CO)-

At the end of course of study in Community Medicine, III BHMS students shall be able to

- 1) Find out the common health problems and emergencies at individual, family and community levels with existing health care resources and prevailing socio-cultural belief.
- 2) Demonstrate the principles and components of primary health care and national policies to achieve the goal of health for all.
- 3) Construct the demographic pattern of the country and appreciate the roles of the health policies of individual, family and community.
- 4) List epidemiological methods, communicable and non-communicable diseases in the community.
- 5) Justify the use of epidemiology as a scientific tool to make rational decision relevant to community and individual patient intervention.
- 6) Formulate the community-based health care services based on their need in acceptable form.



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IV/ FINAL BHMS

COURSE NAME- HOMOEOPATHIC MATERIA MEDICA

COURSE CODE- 73011402

COURSE OUTCOMES (CO)-

At the end of BHMS IV course, Homoeopathic Materia Medica the students should be able to

- 1) Recall the general topics of Homoeopathic Materia Medica.
- 2) Explain the concept of sarcodes and its general indications.
- 3) Interview the cases of chronic patient in a clinical setup with emphasis on individualizing symptoms.
- 4) Inspect 122 medicines and 7 group in a clinical setup with emphasis on individualizing symptoms.
- 5) Compare the medicines of II BHMS course and III BHMS course with Final BHMS course.
- 6) Examine acute and chronic cases, case processing including totality of symptoms, selection of potency and repetition of dose.

COURSE NAME: ORGANON OF MEDICINE AND HOMOEOPATHIC PHILOSOPHY AND FUNDAMENTALS OF PSYCHOLOGY

COURSE CODE: 7301403

COURSE OUTCOMES (CO):

At the end of course in Organon of Medicine and Homoeopathic philosophy and Fundamentals of Psychology, the IV BHMS student shall be able to:

- 1) Know the importance of Organon of Medicine in Homoeopathy with basic guidelines.
- 2) Identify socio-demographic, psychological, cultural, environmental & economic factors that affect health and disease plan homoeopathic intervention to achieve the sustainable development Goal.



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- 3) Discuss the biography of different pioneers to get inspired in the field of Homoeopathy.
- 4) Correlate the concept of Organon with another subject like HMM, Repertory, Pharmacy, Anatomy, Physiology, Surgery, OBGY, FMT, Pathology, Community and Practice of Medicine for better understanding.
- 5) Observe art of case taking how to individualize the case.
- 6) Discuss how we treat the patient on the ground of humanity in the direction of cure.

COURSE NAME- HOMOEOPATHIC REPERTORY & CASE TAKING

COURSE CODE- 73011404

COURSE OUTCOMES (CO)-

At the end of course in Repertory, the [IV]Final BHMS student shall be able to

- 1) Define Repertorization and describe the philosophical background, construction, utility and limitations of various repertories.
- 2) Demonstrate case taking and show empathy with the patient and family during case taking also demonstrate various steps for systematic case processing viz. analysis of case, evaluation of symptoms as per Homoeopathic principles to form Totality of symptoms.
- 3) Choose the appropriate reportorial approach, Method and Technique to repertorize a case
- 4) Simplify that, Repertory as a tool to find out similimum in all types of cases and in the study of Materia Medica.
- 5) Recommend other subjects in understanding the construction and utility of repertories.
- 6) Utilize different software for Repertorization, patient data management and record keeping. Improve aptitude to utilize repertory for research in Homoeopathy and lifelong learning



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COURSE NAME- PRACTICE OF MEDICINE

COURSE CODE- 73011401

COURSE OUTCOMES (CO)-

At the end of course of study in FINAL BHMS, Practice of Medicine, students shall be able to

- 1) Recall the common medications/interventions used in the case and the diagnostic tests for the disease.
- 2) Compare the changes in vital signs and understanding the spectrum of clinical presentation.
- 3) Apply the knowledge to diagnose the condition and execute resuscitation measures specific to each type of clinical condition, also able to apply Homoeopathic medicines as per individual case & clinical condition.
- 4) Analyze the evidence concerning best treatment approaches in various settings and differentiate states of clinical condition based on clinical and Homoeopathic endpoints.
- 5) Evaluate the symptoms and its totality as per the basic principles of Homoeopathy in different states of clinical condition.
- 6) Create or innovate new knowledge such as validating new diagnostic measures or new prognostic makers and new approach in the management of the case in Homoeopathy.



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COURSE NAME- COMMUNITY MEDICINE

COURSE CODE- 73011405

COURSE OUTCOMES (CO)-

At the end of course of study in Community Medicine, Final BHMS students shall be able to

- 1) Identify genus epidemicus in a given situation where Homoeopathic Medicines can be effective in preventing the epidemics.
- 2) Understand the importance of preventive medicine and measures for the promotion of positive health.
- 3) Identify the causes of disease.
- 4) Describe principles and method of epidemiology, biostatistics and family planning.
- 5) Determine the concept of health, disease, cure and prevention.
- 6) Solve national health problems of rural as well as urban areas with scope of Homoeopathy.

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**AARIHANT AYURVEDIC MEDICAL COLLEGE & RESEARCH
INSTITUTE**

PROGRAM NAME: BAMS

First Professional

Course Name – PADARTHA VIJNANAM

Course code - AyUG-PV-1

Course outcomes –

At the end of the first professional Padartha Vijnanam student must be able to

- 1) CO1 Illustrate the scope and utility of Ayurveda
- 2) CO2 Explain Philosophical foundation of Ayurveda, Principles (Siddhantha) of Darshana along with their similarities and relevance in Ayurveda and contemporary sciences.
- 3) CO3 Analyse and interpret Padartha (Prameya) in Darshana and Ayurveda. Recognize their applications in Ayurveda.
- 4) CO4 Distinguish, analyse and apply concept of Pramana shastra (Epistemology) in Darshana and Ayurveda. Demonstrate their applications in Ayurveda.
- 5) CO5 Analyse and apply concept of Karya Karana Bhava in Ayurveda.

Course Name - SAMSKRITAM EVAM AYURVED ITHIHAS

Course code - AyUG-SN&AI

Course outcomes –

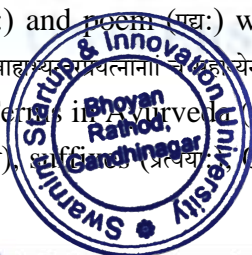
At the end of the first professional Samskritam Evam Ayurved Ithihas student must be able to

- 1) Read and recite Prose (गद्यः) and poem (पद्यः) with the appropriate accent (उच्चारणस्थानानां तथा बाह्याभ्यन्तरप्रयत्नानां). उच्चारणस्थानानां बाह्याभ्यन्तरप्रयत्नानां उच्चारणेन पाठनेतथा लेखनेसामर्थ्ययम्।
- 2) Apply various Technical Terms in Ayurveda (परिभाषाशब्दाः), Nouns & Pronouns (नामरूपानां तथा सर्वनामरूपानां), Verbs (धातुरूपानां), and Grammatical Terms (सांज्ञा), Syntax (सांधी) and

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Compounds (समासाः) from Sanskrit Grammar for enhanced interpretation of Ayurveda texts (आयुर्वेद सांनहताः). पररभाषाशब्देषु नामरूपेषु सर्यनामरूपेषु नियापदेषु प्रत्ययेषु सज्ञासु सनन्धषुसमासेषुच ज्ञानां तदब्राआयुर्वेदसनांहतासुअथार्य बोधनम् प्रायोनगकनर्ज्ञानञ्च |

- 3) Discriminate and interpret the Cases & meanings (नर्भाक्त्यथय) used in various verses of Ayurveda texts (आयुर्वेद सनांहता). कारकनर्भाक्त्यथानयदषुपररज्ञानां तथा आयुर्वेदसनांहतासुतेषां प्रयोगपररचयञ्च |
- 4) Formulate the Prose order (अन्त्रः) of Slokas/Sutras in Ayurveda Textbooks (सांनहता) to derive the meaning (र्ाच्याथय), to determine the Scientific Meaning (शास्त्राथय) and to Translate (Regional or other language). अन्त्रलेखने च्याथायर्बोधनेशास्त्राथायर्बोधनेच सामर्थयंअनर्दनपाटञ्च |
- 5) Interpret the Synonyms (पयाययाः) and Derivations (ननरुनि) of Ayurveda Terms using Samskrit dictionaries (सांस्कृत शब्दकोश). कोशग्रन्थानां सहाय्येन आयर्देनर्दमानानांपदानां तेषांपयाययानाञ्च ननरुनक्तिपर्यक पररज्ञानां तेषां प्रयोगपररचयञ्च |
- 6) Speak, Write and Summarize and Express in Samskrit (सांस्कृतम्). सांस्कृतभाषायां भाषणेलेखनेसङ्किनप्य नलखनेअथयप्रकाशनेच सामर्थययम्|
- 7) Develop the ethical responsibility towards the profession, society and human being. सामानिक- औद्योनकक-मानुनषक धमयबोधता
- 8) Analyse and explain the important milestones in the history of Ayurveda
- 9) Appreciate the status of Ayurveda in different time periods and Contributions made by different Acharyas to Ayurveda

Course Name – KRIYA SHARIRA

Course code - AyUG-KS

Course outcomes –

At the end of the first professional Kriya Sharira student must be able to

- 1) CO1 Explain all basic principles & concepts of Kriya Sharir along with essentials of contemporary human physiology and biochemistry related to all organ systems.
- 2) CO2 Demonstrate and communicate normal and abnormal variables pertaining to KriyaSharir such as Sara, Agni, Koshtha, Srotas etc.
- 3) CO3 Differentiate between Prakriti and Vikriti in the individuals after carrying out relevantclinical examinations.
- 4) CO4 Carry out clinical examinations and experiments using equipments with interpretation oftheir results.
- 5) CO5 Differentiate the strength and limitations of Ayurved and contemporary science.



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- 6) CO6 Present a short project work / research activity covering the role of Kriya Sharir in preventive and promotive healthcare.
- 7) CO7 Show a sense of curiosity and questioning attitude towards the life processes and to display compassion and ethical behaviour.
- 8) CO8 Effectively communicate verbally and in writing preferably using Ayurvedic terminology along with contemporary terminology among peers, teachers and community.

Course Name – RACHANA SHARIRA

Course code - AyUG-RS

Course Outcomes –

At the end of the first professional Rachana Sharira student must be able to

- 1) CO1 Describe the fundamentals of Rachana Sharir, interpret and analyze it in relevant context and recognize its significance in Ayurveda.
- 2) CO2 Explain Garbha Sharir and Embryology in Ayurveda and modern science respectively with clinical significance.
- 3) CO3 Describe and demonstrate all the bones and joints with attachments of associated structures and its clinical application.
- 4) CO4 Explain the concept of Sira-Dhamani-Strotas, their organization in the human body and its applied aspect.
- 5) CO5 Identify the Marmas and understand its classification along with its importance in preventive and therapeutic aspect.
- 6) CO6 Explain and demonstrate the gross anatomy of the organs of various systems and their applied anatomy in perspective of Ayurveda and Modern science.
- 7) CO7 Explain the Indriya Sharir and Sensory organs with its application in preventive and therapeutic domain.
- 8) CO8 Identify and locate all the structures of body and mark the topography of the living Sharir.



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- 9) CO9 Respect the cadaver and perform dissection with commitment to reiterate the theoretical aspect of Ayurved Rachana Sharir and contemporary sciences.
- 10) CO10 Describe the basic principles of imaging technologies and identify the anatomical structures in the radiograph.

Course Name - SAMHITA ADHYAYAN-1

Course code - AyUG-SA 1

Course outcomes –

At the end of the first professional Samhita Adhyayan -1 student must be able to

- 1) CO1 Distinguish the different Samhitas, their importance and methodology and familiarize with the tools of Samhita Adhyayan. (eg: tantrayukti)
- 2) CO2 Interpret and apply the sutras from the Samhitas.
- 3) CO3 Apply and evaluate the Tridosha, Saptadhatu and Mala principles (theory).
- 4) CO4 Practice and prescribe Dinacharya (daily regimen), Ritucharya (seasonal regimen) and dietary principles for preservation of health.
- 5) CO5 Explore and distinguish different types of food, food groups and medicinal Dravyas mentioned in Samhitas.
- 6) CO6 Identify various etiopathological factors and predict different treatment principles
- 7) CO7 Recognize and explain the fundamentals behind various therapeutics (Shodhan and allied) and Para surgical therapies.
- 8) CO8 Develop a code of behavior and show mature behavior in particular to the scientific deliberations.



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SECOND PROFESSIONAL

Course Name - DRAVYAGUNA VIGYAN

Course code - AyUG-DG

Course outcomes –

At the end of the Second professional Dravyaguna Vigyan student must be able to

- 1) CO1 Demonstrate the application of principles of Dravyaguna in clinical practice.
- 2) CO2 Analyze and justify the fundamental principles of Dravyaguna in relevance to contemporary sciences.
- 3) CO3 Analyze and interpret Rasa Panchaka of Dravya with their application in clinical practice.
- 4) CO4 Interrelate the knowledge on Karma (pharmacological actions) with Rasa panchaka and basic contemporary clinical pharmacology.
- 5) CO5 Demonstrate and Justify the ability to select the specific Dravyas, Prashata Bhesaja with different dosage forms in different clinical conditions.
- 6) CO6 Demonstrate knowledge of quality control methods of drug.
- 7) CO7 Demonstrate knowledge and skills about Apamishrana (adulterants), Abhava pratinidhi dravya (substitutes), Prashastabhesaja (ideal drug) and plant extracts.
- 8) CO8 Identify the medicinal plants and orient about conservation, cultivation, sustainable utilization & Pharmacovigilance.
- 9) CO9 Demonstrate fundamental principles of applied Pharmacology.



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Course Name - ROGA NIDAN EVAM VIKRITI VIGYAN

Course code - AyUG-RN

Course outcomes –

At the end of the Second professional Roga Nidan Evam Vikriti Vigyan student must be able to

- 1) CO1 Identify the morbidities in accordance with principles of Ayurveda pathology (vikritivigyan siddhanta).
- 2) CO2 Describe the basic, general, and systemic pathological process thereby applying it inreaching a diagnosis.
- 3) CO3 Perform appropriate clinical examination (pareeksha) utilizing Ayurveda and contemporary principles (samakalina siddhanta).
- 4) CO4 Order and interpret various diagnostic laboratory investigations and imaging.
- 5) CO5 Diagnose and present the case with clinical reasoning (naidanika tarka)
- 6) CO6 Fo11 and advise advancements in diagnosis (vyadhi vinischaya) and prognosis (sadhya asadhyata) in clinical practice (naidanika adhyayana)
- 7) CO7 Communicate effectively with the patient (rugna), relatives (bandhujan) and other stakeholders (anya hita dhaarak)
- 8) CO8 Demonstrate ethics (sadvritta), compassion (karuna) and possess qualities of a clinician(vaidya guna)

Course Name - RASASHASTRA EVAM BHAISHAJYAKALPANA

Course code - AyUG-RB

Course outcomes –

At the end of the Second professional Rasashastra Evam Bhaishjya Kalpana student must be able to

- 1) CO1 Demonstrate application of principles of Ayurvediya Aushadhi Nirmana (AyurvedicPharmaceutics).
- 2) CO2 Demonstrate application of principle of Ayurvediya Aushadhi Prayoga Vigyana (Clinical Pharmacology)



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- 3) CO3 Prepare Ayurvedic formulations in adherence to quality control parameters for rawmaterials, in-process and finished products.
- 4) CO4 Justify rationality of selection and administration of Ayurvedic formulations.
- 5) CO5 Demonstrate application of ethical, legal and regulatory aspects of manufacturing andsale of Ayurvedic formulations.
- 6) CO6 Appraise research in current and emerging trend in Ayurvedic pharmaceuticals andallied sciences.

Course Name - SAMHITA ADHYAYAN-2

Course code - AyUG-SA2

Course outcomes –

At the end of the Second professional Samhita Adhyayan-2 student must be able to

- 1) CO1 Justify the Methodology of structuring samhitas and appraise the importance of tools ofdecoding Charakasamhita (Tantrayukti and vyakhyana).
- 2) CO2 Relate and interpret various references of concepts in Charakasamhita.
- 3) CO3 Explain and interpret biological factors and their measurements in the manifestation of diseases.
- 4) CO4 Explain and utilize various siddhantas in different dimensions of clinical practice.
- 5) CO5 Demonstrate the knowledge of dravya and adravya based therapeutics.
- 6) CO6 Apply diagnostic guidelines regarding diseases including arishta lakshana based on the principles mentioned in Charakasamhita.
- 7) CO7 Explore the determinants of health in the background of Charakasamhita.
- 8) CO8 Develop ethical professional and moral codes and conducts as a physician.



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Course Name - AGAD TANTRA EVAM VIDHI VAIDYAKA

Course code - AyUG-AT

Course Outcomes –

At the end of the Second professional Agad Tantra Evam Vidhi Vaidyaka student must be able to

- 1) CO1 Demonstrate application of fundamental concepts of Agada Tantra, Vyavahara Ayurveda and Vidhi vaidyaka in real life situations.
- 2) CO2 Diagnose and manage acute and chronic poisoning due to Sthavara, Jangama and Kritrima visha along with their contemporary relevance.
- 3) CO3 Demonstrate application of concepts of Dushivisha, Garavisha and Viruddha ahara in prevention, diagnosis and management of diseases.
- 4) CO4 Demonstrate application of principles of Agada Tantra and therapeutic administration of common Agada yoga and Visha dravya in Clinical practice.
- 5) CO5 Appreciate research updates in relevance to Agada Tantra and apply for healthcare promotion and social awareness.
- 6) CO6 Demonstrate application of professional skills of Forensic Medicine in handling medico legal issues.
- 7) CO7 Demonstrate professional and ethical behavior in discharging the medicolegal duties and responsibilities in accordance to the law.

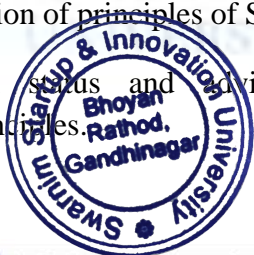
Course Name - SWASTHAVRITTA EVAM YOGA

Course code - AyUG-SW

Course Outcomes –

At the end of the Second professional Swasthavritta Evam Yoga student must be able to

- 1) CO1 Demonstrate application of principles of Swasthavritta in lifestyle modifications.
- 2) CO2 Assess the health status and advise preventive & promotive measures according to Ayurveda principles.



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- 3) CO3 Demonstrate and advise Yoga and Naturopathy as health promotive and disease preventive regime.
- 4) CO4 Understand and apply the principles and components of primary health care and health policies to achieve the goal of health for all.
- 5) CO5 Advocate and propagate preventive principles of Ayurveda and contemporary sciences through Information, Education and Communication (IEC).
- 6) CO6 Conduct community surveys and apply epidemiological principles for the assessment of health & morbidity as a community physician.
- 7) CO7 Understand and apply the principles of environmental health and its effects on public health with control measures.
- 8) CO8 Demonstrate skills and research aptitude for the promotion of health and prevention of disease.

THIRD YEAR

Course Name - PRASUTI TANTRA EVUM STRI ROGA

Course code – 43061303

Course Outcomes –

At the end of the Third Year Prasuti Tantra Evum Stri Roga student must be able to

- 1) CO1 Describe Streesharira Vignana Rajovignana, Garbhinivignanaa, Garbhavignana, Prasavvignana, Sutikavignana
- 2) CO2 Take the history of prasuti tantra & Stri roga cases.
- 3) CO3 Diagnose and manage striroga, stana roga, Garbha vikruti, Garbhini Vyapada, Prasavavyapada, & Sutika Vyapada.
- 4) CO4 Perform Gynecological procedure like douche, Pichu, Uttarbasti, Agnikarma etc. & P/V, P/S etc.
- 5) CO5 Handle antenatal and post natal care
- 6) CO6 Know about the procedures like D&C, Hysterectomy, Cauterization, & Female sterilization.



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7) CO7 Know and handle the modern tools related to gynecology and obstetrics.

Course Name - KAUMARBHRITYA

Course code – 43061302

Course outcomes –

At the end of the Third year Kaumarbhritya student must be able to

- 1) CO1 Promote Child health in the society according to AYURVEDA principles
- 2) CO2 Practical knowledge of neonatal care (Navjaat Shishu Paricharya)
- 3) CO3 Practical knowledge of immunization
- 4) CO4 Can measure pulse, heart rate, temperature in children
- 5) CO5 Practical knowledge of anthropometric measurements
- 6) CO6 To diagnose and manage the Pediatric Disorders
- 7) CO7 Can perform various Panchakarma procedures in children

Course Name – KAYACHIKITSA

Course code – 43061401

Course outcomes –

At the end of the Final year Kayachikitsa student must be able to

- 1) CO1 Understand and interpret different chikitsa Siddhant which are given in different Samhitas
- 2) CO2 Carry out history taking clinical examination, and Interpret laboratorial data & clinical finding for arriving at a diagnosis
- 3) CO3 Perform routine ward procedures such as; Giving injection, intravenous infusion & blood transfusion, abdominal & thoracic paracentesis, ECG recordings.



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- 4) CO4 Identify the prognosis and able to manage the common diseases.
- 5) CO5 Manage allergic manifestation & anaphylactic shock or any emergency conditions

Course Name – PANCHAKARMA

Course code – 43061402

Course outcomes –

At the end of the Final year Panchakarma student must be able to

- 1) CO1 Understand the absolute theoretical knowledge of Panchakarma (Shodhana therapy) and general precautions for panchakarma.
- 2) CO2 Comprehend knowledge of different Panchakarma procedures according to their indications-contraindications in different disease as well as in different seasons.
- 3) CO3 Perform different Panchakarma procedures along with their Poorva & Paschat Karma for the promotion of health, prevention and treatment of disease
- 4) CO4 Aware of specification of Panchakarma theatre and necessary equipments from classical as well as modern point of view.
- 5) CO5 Understand basic concept of Physiotherapy and other supportive treatment which can be used to enhance the benefits of Panchakarma treatment

Course Name – SHALAKYATANTRA

Course code – 43061403

Course Outcomes –

At the end of the Final year Shalakyatantra student must be able to

- 1) CO1 Perform the clinical examination of eye, ear, nose, throat and oral cavity.
- 2) CO2 Diagnose and manage common eye, ear, nose, throat and oro-dental disorders according to Ayurvedic principles.



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- 3) CO3 Know major/minor surgery and Para surgical procedures with their pre operative, post-operative management, complication and their management.
- 4) CO4 Perform Shalakyia procedures like- Kriyaklpa, Nasya, Karnapoorana, etc as per their indication. Able to identify and manage complications if any.
- 5) CO5 Modify and try new drug formulations for individual patients if needed.

Course Name – SHALYATANTRA

Course code – 43061404

Course outcomes –

At the end of the Final year Shalyatantra student must be able to

- 1) CO1 Diagnose and manage common surgical disorders and certain surgical emergencies like, trauma, fracture and dislocation, road traffic accident, acute abdomen, shock, fluid and electrolyte imbalance, hemorrhage and acute cut and lacerated wounds etc.
- 2) CO2 “Perform sterilization, fumigation, asepsis, antisepsis techniques and Surgical procedures and routine ward techniques such as suturing of fresh injuries, dressing of wounds, burns, ulcers and similar ailments, incision of abscess, excision of cysts, venesections, application and utility of Kshara Sutra, Agnikarma procedure, puncturing and drainage of pathologically collected fluids, raktamokshana procedure, Kshara karma - application of Kshara
- 3) CO3 Understand theoretical aspect and practical use of Ayurvedic and modern medicines of anesthesia, their safety, efficacy, hazards and legal aspects.
- 4) CO4 Do pre-operative and post-operative care of the patients, and management of complications
- 5) CO5 know the utility and application of clinical interpretations, radiography, sonography, magnetic and computed imaging techniques and their diagnostic and therapeutic aspects.



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Course Name – RESEARCH METHODOLOGY & BIOSTATISTICS

Course code – 43061405

Course outcomes –

At the end of the Final year Research Methodology & Biostatistics student must be able to

- 1) CO1 Understand the general guidelines about research and its various types.
- 2) CO2 Understand the steps in the research process like Selection of the topic, Review of the literature, Formulation of Hypothesis, Aims and Objectives, Materials and methods, Observations and results, Methods of communication of Research
- 3) CO3 Understand and follow ethics in research.
- 4) CO4 Know common statistical terms like, population, Sample, Data, Variable, Normal distribution, average, percentile, mean, median, mode, range standard deviation standard error, probability, test significance etc.
- 5) CO5 Know the uses and application of parametrical and non-parametrical tests



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CO-PO Mapping Bachelor of Physiotherapy

1st YEAR BPT

Subject Name: Human Anatomy

Course Code: 63011101

Course Title: Human Anatomy

Course Outcomes (CO):

1. Demonstrate a comprehensive understanding of the anatomical structures of the human body.
2. Apply anatomical knowledge to understand the underlying mechanisms of various diseases and injuries.
3. Analyze and interpret anatomical images (e.g., X-rays, CT scans, MRIs).
4. Demonstrate proficiency in anatomical terminology and nomenclature.
5. Identify and describe the major anatomical regions and structures of the human body.
6. Correlate anatomical structures with physiological functions.

Subject Name: Human Physiology & Biochemistry

Course Code: 63011102

Course Title: Human Physiology & Biochemistry

Course Outcomes (CO):

Explain the physiological functions of various body systems.

1. Correlate physiological processes with biochemical pathways and their relevance to human health.
2. Analyze and interpret physiological and biochemical data.
3. Demonstrate an understanding of the mechanisms of homeostasis and disease.



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4. Apply physiological and biochemical principles to understand the effects of physical activity and exercise on the human body.
5. Evaluate the impact of environmental factors on physiological and biochemical functions.

Subject Name: Psychology

Course Code: 63011103

Course Title: Psychology

Course Outcomes (CO):

1. Understand the principles and theories of psychology.
2. Apply psychological concepts to understand human behavior and mental processes.
3. Evaluate psychological research and methods.
4. Develop an understanding of the psychological factors influencing health and well-being.
5. Demonstrate an awareness of ethical issues in psychology.
6. Apply psychological knowledge to interpersonal relationships and communication.

Subject Name: Sociology

Course Code: 63011103

Course Title: Sociology

Course Outcomes (CO):

1. Understand the basic concepts and theories of sociology.
2. Analyze social structures, institutions, and processes.
3. Evaluate the impact of social factors on individual behavior and society.
4. Understand the principles of social research and methods.
5. Develop an awareness of social issues and problems.
6. Apply sociological knowledge to understand and address social challenges.





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Subject Name: Fundamentals of Biomedical Physics

Course Code: 63011104

Course Title: Fundamentals of Biomedical Physics

Course Outcomes (CO):

1. Understand the basic principles of physics as applied to biological systems.
2. Analyze the biomechanical properties of tissues and organs.
3. Apply biophysical concepts to understand physiological processes.
4. Evaluate the use of medical imaging techniques.
5. Understand the principles of radiation therapy and its applications.
6. Apply biophysical knowledge to the design and evaluation of medical devices.

Subject Name: Exercise Therapy I and Soft Tissue Manipulation

Course Code: 63011105

Course Title: Exercise Therapy I and Soft Tissue Manipulation

Course Outcomes (CO):

1. Apply exercise therapy techniques to improve physical function and rehabilitation.
2. Perform various soft tissue manipulation techniques.
3. Assess and evaluate the effectiveness of exercise therapy and soft tissue manipulation.
4. Develop and implement individualized exercise therapy programs.
5. Understand the biomechanics of movement and exercise.
6. Apply exercise therapy and soft tissue manipulation in the management of musculoskeletal disorders.



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Subject Name: Orientation Program In Startup And Entrepreneurship

Course Code: 12300020

Course Title: Introduction to Innovation & Entrepreneurship

Course Outcomes (CO):

1. Understand the concepts of innovation and entrepreneurship.
2. Identify and evaluate opportunities for innovation and entrepreneurship in the healthcare sector.
3. Develop entrepreneurial skills, such as problem-solving, creativity, and decision-making.
4. Create a business plan for a healthcare-related venture.
5. Understand the legal and ethical considerations of entrepreneurship.
6. Develop a network of contacts in the healthcare and business community.

2nd YEAR BPT

Subject: Pathology

Course Code: 63011201

Course Title: Pathology

Course Outcomes (CO):

1. Understand the principles and techniques of pathology.
2. Identify and diagnose diseases through microscopic examination.
3. Correlate pathologic findings with clinical manifestations.
4. Understand the pathogenesis of various diseases.
5. Apply pathologic knowledge to patient care and treatment planning.
6. Demonstrate proficiency in autopsy techniques.



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Subject: Microbiology

Course Code: 63011201

Course Title: Microbiology

Course Outcomes (CO):

1. Understand the principles of microbiology.
2. Identify and classify microorganisms.
3. Study the structure, function, and metabolism of microorganisms.
4. Understand the role of microorganisms in human health and disease.
5. Apply microbiological techniques in laboratory settings.
6. Demonstrate an understanding of antimicrobial agents and their mechanisms of action.

Subject: Pharmacology

Course Code: 63011202

Course Title: Pharmacology

Course Outcomes (CO):

1. Understand the principles of pharmacology.
2. Classify drugs based on their therapeutic actions and mechanisms of action.
3. Evaluate the safety and efficacy of drugs.
4. Apply pharmacological knowledge to patient care and treatment planning.
5. Understand the pharmacokinetics and pharmacodynamics of drugs.
6. Demonstrate an understanding of drug interactions and adverse effects.



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Subject: Exercise Therapy II

Course Code: 63011203

Course Title: Exercise Therapy II

Course Outcomes (CO):

1. Apply advanced exercise therapy techniques to improve physical function and rehabilitation.
2. Develop and implement specialized exercise programs for various conditions.
3. Assess and evaluate the progress of patients undergoing exercise therapy.
4. Understand the biomechanics of movement in various populations.
5. Apply exercise therapy principles in the management of chronic diseases.
6. Collaborate with other healthcare professionals to provide comprehensive care.

Subject: Biomechanics & Kinesiology

Course Code: 63011204

Course Title: Biomechanics & Kinesiology

Course Outcomes (CO):

1. Understand the principles of biomechanics and kinesiology.
2. Analyze human movement using biomechanical techniques.
3. Evaluate the biomechanical factors contributing to injury and dysfunction.
4. Apply biomechanical principles to the design of exercise programs and rehabilitation interventions.
5. Understand the role of biomechanics in sports performance.
6. Conduct biomechanical research and analysis.



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Subject: Psychiatry

Course Code: 63011205

Course Title: Psychiatry

Course Outcomes (CO):

1. Understand the principles and theories of psychiatry.
2. Diagnose and treat mental health disorders.
3. Apply psychiatric knowledge to the management of patients with mental health conditions.
4. Understand the role of psychosocial factors in mental health.
5. Evaluate the effectiveness of psychiatric interventions.
6. Demonstrate an awareness of ethical issues in psychiatry.

Subject: Electrotherapy

Course Code: 63011206

Course Title: Electrotherapy

Course Outcomes (CO):

1. Understand the principles of electrotherapy.
2. Apply various electrotherapy modalities to treat different conditions.
3. Assess and evaluate the effectiveness of electrotherapy.
4. Understand the biophysical effects of electrical currents on tissues.
5. Select appropriate electrotherapy parameters for different conditions.
6. Demonstrate proficiency in the use of electrotherapy equipment.



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Subject: Community Medicine

Course Code: 63011207

Course Title: Community Medicine

Course Outcomes (CO):

1. Understand the principles of community medicine.
2. Assess the health needs of a community.
3. Develop and implement community health programs.
4. Evaluate the effectiveness of community health interventions.
5. Understand the role of public health in disease prevention and control.
6. Collaborate with community partners to address health issues.

Subject: Clinical Education I

Course Code: 63011209

Course Title: Clinical Education I

Course Outcomes (CO):

1. Apply theoretical knowledge to clinical practice.
2. Develop clinical skills and competencies.
3. Interact effectively with patients and their families.
4. Work collaboratively with other healthcare professionals.
5. Demonstrate professionalism and ethical behavior in clinical settings.
6. Evaluate the effectiveness of clinical interventions.

Subject: Intermediate & Advanced Program in Entrepreneurship

Course Code: 12300021

Course Title: Intermediate & Advanced Program in Entrepreneurship



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Course Outcomes (CO):

1. Develop advanced entrepreneurial skills and competencies.
2. Create and implement a comprehensive business plan.
3. Raise capital and secure funding for entrepreneurial ventures.
4. Manage and grow a business enterprise.
5. Understand the legal and financial aspects of entrepreneurship.
6. Network with other entrepreneurs and industry professionals.

3rd YEAR BPT

Subject: Medicine-1 (General Medicine, Cardio-Respiratory Medicine, and Dermatology)

Course Code: 63011301

Course Title: Medicine-1 (General Medicine, Cardio-Respiratory Medicine, and Dermatology)

Course Outcomes (CO):

1. Demonstrate a comprehensive understanding of general medicine, cardiology, respiratory medicine, and dermatology.
2. Diagnose and manage various medical conditions in these specialties.
3. Apply clinical reasoning and problem-solving skills to patient care.
4. Prescribe appropriate medications and treatments.
5. Communicate effectively with patients and their families.
6. Collaborate with other healthcare professionals to provide comprehensive care.



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Subject: Medicine-2 (Neurology and Pediatrics) & Surgery (General Surgery, Plastic Surgery, Neuro-Surgery & Cardio Thoracic Surgery) & Obstetrics and Gynecology

Course Code: 63011302

Course Title: Medicine-2 (Neurology and Pediatrics) & Surgery (General Surgery, Plastic Surgery, Neuro-Surgery & Cardio Thoracic Surgery) & Obstetrics and Gynecology

Course Outcomes (CO):

1. Demonstrate a comprehensive understanding of neurology, pediatrics, general surgery, plastic surgery, neurosurgery, cardiothoracic surgery, obstetrics, and gynecology.
2. Diagnose and manage various medical and surgical conditions in these specialties.
3. Perform surgical procedures as required.
4. Provide prenatal and postnatal care.
5. Manage pediatric patients and their families.
6. Collaborate with other healthcare professionals to provide comprehensive care.

Subject: Surgery (General Surgery, Plastic Surgery, Neuro-Surgery & Cardio Thoracic Surgery) & Obstetrics and Gynecology

Course Code: 63011303

Course Title: Surgery (General Surgery, Plastic Surgery, Neuro-Surgery & Cardio Thoracic Surgery) & Obstetrics and Gynecology

Course Outcomes (CO):

1. Understand the principles and theories of psychiatry.
2. Diagnose and treat mental health disorders.
3. Apply psychiatric knowledge to the management of patients with mental health conditions.
4. Understand the role of psychosocial factors in mental health.
5. Evaluate the effectiveness of psychiatric interventions.



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6. Demonstrate an awareness of ethical issues in psychiatry.

Subject: Orthopedic (Traumatic and Non-Traumatic)

Course Code: 63011304

Course Title: Orthopedic (Traumatic and Non-Traumatic)

Course Outcomes (CO):

1. Demonstrate a comprehensive understanding of orthopedic conditions.
2. Diagnose and manage traumatic and non-traumatic orthopedic injuries.
3. Perform orthopedic surgeries as required.
4. Rehabilitate patients with orthopedic conditions.
5. Apply biomechanical principles to orthopedic care.
6. Collaborate with other healthcare professionals to provide comprehensive care.

Subject: Physical and Functional Diagnosis

Course Code: 63011305

Course Title: Physical and Functional Diagnosis

Course Outcomes (CO):

1. Perform physical examinations and functional assessments.
2. Interpret diagnostic tests and procedures.
3. Develop a differential diagnosis for various conditions.
4. Order and interpret laboratory and imaging studies.
5. Communicate effectively with patients and other healthcare professionals.
6. Collaborate with other specialists to provide comprehensive care.



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Subject: Expert Program in Entrepreneurship and IPR

Course Code: 12300022

Course Title: Expert Program in Entrepreneurship and IPR

Course Outcomes (CO):

1. Develop advanced entrepreneurial skills and competencies.
2. Create and implement a comprehensive business plan.
3. Raise capital and secure funding for entrepreneurial ventures.
4. Manage and grow a business enterprise.
5. Understand the legal and financial aspects of entrepreneurship and intellectual property rights (IPR).
6. Network with other entrepreneurs and industry professionals.

Subject: Clinical Education II

Course Code: 63011306

Course Title: Clinical Education II

Course Outcomes (CO):

1. Apply theoretical knowledge to clinical practice.
2. Develop advanced clinical skills and competencies.
3. Interact effectively with patients and their families.
4. Work collaboratively with other healthcare professionals in complex clinical settings.
5. Demonstrate professionalism and ethical behavior in clinical settings.
6. Evaluate the effectiveness of clinical interventions.



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4th YEAR BPT

Subject: Physiotherapy in Neurological Conditions

Course Code: 63011401

Course Title: Physiotherapy in Neurological Conditions

Course Outcomes (CO):

1. Apply physiotherapy techniques to manage neurological conditions.
2. Assess and evaluate patients with neurological disorders.
3. Develop individualized rehabilitation programs for neurological patients.
4. Understand the principles of neurorehabilitation.
5. Collaborate with other healthcare professionals in the management of neurological conditions.
6. Demonstrate proficiency in neurodiagnostic tests.

Subject: Physiotherapy in Musculoskeletal Conditions

Course Code: 63011402

Course Title: Physiotherapy in Musculoskeletal Conditions

Course Outcomes (CO):

1. Apply physiotherapy techniques to manage musculoskeletal disorders.
2. Assess and evaluate patients with musculoskeletal conditions.
3. Develop individualized rehabilitation programs for musculoskeletal patients.
4. Understand the biomechanics of musculoskeletal function.
5. Collaborate with orthopedic surgeons and other healthcare professionals.
6. Demonstrate proficiency in musculoskeletal assessment techniques.



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Subject: Physiotherapy in Cardio-Respiratory Conditions

Course Code: 63011403

Course Title: Physiotherapy in Cardio-Respiratory Conditions

Course Outcomes (CO):

1. Apply physiotherapy techniques to manage cardio-respiratory conditions.
2. Assess and evaluate patients with cardio-respiratory disorders.
3. Develop individualized rehabilitation programs for cardio-respiratory patients.
4. Understand the physiology of the cardiovascular and respiratory systems.
5. Collaborate with cardiologists and pulmonologists.
6. Demonstrate proficiency in cardio-respiratory assessment techniques.

Subject: Physiotherapy in Medical and Surgical Conditions

Course Code: 63011404

Course Title: Physiotherapy in Medical and Surgical Conditions

Course Outcomes (CO):

1. Apply physiotherapy techniques to manage a variety of medical and surgical conditions.
2. Assess and evaluate patients with medical and surgical conditions.
3. Develop individualized rehabilitation programs for patients post-surgery or illness.
4. Understand the principles of wound care and tissue healing.
5. Collaborate with physicians and surgeons in the management of medical and surgical conditions.
6. Demonstrate proficiency in post-operative rehabilitation techniques.



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Subject: Physiotherapy in Rehabilitation and Allied Therapeutics

Course Code: 63011405

Course Title: Physiotherapy in Rehabilitation and Allied Therapeutics

Course Outcomes (CO):

1. Apply physiotherapy techniques in conjunction with other allied health therapies.
2. Coordinate rehabilitation programs involving multiple healthcare professionals.
3. Understand the principles of rehabilitation and its role in patient recovery.
4. Collaborate with occupational therapists, speech therapists, and other allied health professionals.
5. Demonstrate proficiency in rehabilitation techniques and equipment.
6. Evaluate the effectiveness of rehabilitation interventions.

Subject: Biostatistics and Research Methodology

Course Code: 63011406

Course Title: Biostatistics and Research Methodology

Course Outcomes (CO):

1. Understand the principles of biostatistics and research methodology.
2. Collect, analyze, and interpret data using statistical methods.
3. Design and conduct research studies.
4. Evaluate the validity and reliability of research findings.
5. Apply research methods to clinical practice.
6. Demonstrate proficiency in statistical software.



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Subject: Start-Up Project

Course Code: 12300023

Course Title: Start-Up Project

Course Outcomes (CO):

1. Develop entrepreneurial skills and competencies.
2. Create a business plan for a physiotherapy-related venture.
3. Raise capital and secure funding for the venture.
4. Manage and grow the business.
5. Understand the legal and financial aspects of entrepreneurship.
6. Network with other entrepreneurs and industry professionals.

Subject: Clinical Education III

Course Code: 63011407

Course Title: Clinical Education III

Course Outcomes (CO):

1. Apply theoretical knowledge to advanced clinical practice.
2. Develop advanced clinical skills and competencies.
3. Interact effectively with patients and their families in complex clinical settings.
4. Work independently as a physiotherapy professional.
5. Evaluate the effectiveness of clinical interventions in advanced practice.
6. Demonstrate leadership and mentorship skills.



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CO-PO Mapping for Master of Physiotherapy

1st YEAR MPT

Subject: Basic Sciences Part-I

Course Code: 66021101

Course Title: Basic Sciences Part-I

Course Outcomes (CO):

1. Demonstrate an understanding of the principles of work and exercise physiology.
2. Apply electrophysiological techniques to assess and diagnose neuromuscular disorders.
3. Analyze human movement using biomechanical principles.
4. Understand the history and principles of physiotherapy education and practice.
5. Evaluate the impact of exercise on physiological functions.
6. Correlate biomechanical factors with musculoskeletal disorders.

Subject: Basic Science Part-II

Course Code: 66021102

Course Title: Basic Science Part-II

Course Outcomes (CO):

1. Apply research methodology and biostatistics to physiotherapy research.
2. Utilize educational technology in physiotherapy practice.
3. Demonstrate an understanding of ethical principles and administrative procedures in physiotherapy.
4. Evaluate the effectiveness of educational interventions in physiotherapy.
5. Develop and implement evidence based physiotherapy practices.
6. Understand the role of technology in physiotherapy education and practice.



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Subject: Advanced Physiotherapeutics (Clinical Applied & Allied Therapeutics, Medical & Surgical)

Course Code: 66021103

Course Title: Advanced Physiotherapeutics (Clinical Applied & Allied Therapeutics, Medical & Surgical)

Course Outcomes (CO):

1. Apply advanced physiotherapy techniques to manage various clinical conditions.
2. Demonstrate proficiency in clinical applied and allied therapeutics.
3. Evaluate the effectiveness of physiotherapy interventions in medical and surgical settings.
4. Develop and implement individualized rehabilitation programs for patients with medical and surgical conditions.
5. Collaborate effectively with other healthcare professionals.
6. Understand the principles of evidence-based practice in physiotherapy.

Subject: Non-Elective Case and Micro-Teaching

Course Code: 66021104

Course Title: Non-Elective Case and Micro-Teaching

Course Outcomes (CO):

1. Apply theoretical knowledge to clinical practice.
2. Develop clinical skills and competencies.
3. Interact effectively with patients and their families.
4. Work collaboratively with other healthcare professionals.
5. Demonstrate professionalism and ethical behavior in clinical settings.
6. Evaluate the effectiveness of clinical interventions.



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Subject: Clinical Training

Course Title: Clinical Training

Course Outcomes (CO):

1. Apply theoretical knowledge to clinical practice.
2. Develop clinical skills and competencies.
3. Interact effectively with patients and their families.
4. Work collaboratively with other healthcare professionals.
5. Demonstrate professionalism and ethical behavior in clinical settings.
6. Evaluate the effectiveness of clinical interventions.

2nd YEAR MPT

Subject: Physical & Functional Diagnosis-Part-I & II

Course Code: 66021201

Course Title: Physical & Functional Diagnosis-Part-I & II

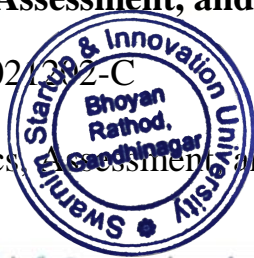
Course Outcomes (CO):

1. Perform comprehensive physical examinations and functional assessments.
2. Interpret diagnostic tests and procedures.
3. Develop a differential diagnosis for various conditions.
4. Order and interpret laboratory and imaging studies.
5. Communicate effectively with patients and other healthcare professionals.
6. Collaborate with other specialists to provide comprehensive care.

Subject: Elective: I Basics, Assessment, and Evaluation

Course Code: 66021202/66021202-C

Course Title: Elective: Basics, Assessment, and Evaluation



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Course Outcomes (CO):

1. Demonstrate a deep understanding of fundamental concepts in physiotherapy.
2. Apply advanced assessment techniques to evaluate patient function.
3. Develop and implement effective evaluation strategies.
4. Analyze and interpret assessment data.
5. Communicate assessment findings effectively.
6. Utilize assessment results to inform treatment planning.

Subject: Elective: II Clinical Conditions & Physiotherapeutic Interventions

Course Code: 66021203/66021203-C

Course Title: Elective: Clinical Conditions & Physiotherapeutic Interventions

Course Outcomes (CO):

1. Apply specialized physiotherapy techniques to manage specific clinical conditions.
2. Demonstrate expertise in the assessment and evaluation of patients with particular conditions.
3. Develop and implement tailored rehabilitation programs for specific conditions.
4. Understand the underlying pathophysiology and management of selected clinical conditions.
5. Collaborate with other healthcare professionals in the treatment of specific conditions.
6. Evaluate the effectiveness of physiotherapy interventions for specific conditions.

Subject: Dissertation

Course Code: 66021204

Course Title: Dissertation

Course Outcomes (CO):

1. Conduct independent research on a physiotherapy-related topic.



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2. Develop a research question and hypothesis.
3. Design and implement a research study.
4. Collect, analyze, and interpret data.
5. Write a comprehensive dissertation.
6. Present research findings effectively.

**Subject: Non-Elective Case + Elective Case (Separate for Each Elective);
Viva Voce**

Course Code: 66021205

**Course Title: Non-Elective Case + Elective Case (Separate for Each Elective);
Viva Voce**

Course Outcomes (CO):

1. Apply theoretical knowledge to clinical practice.
2. Develop clinical skills and competencies.
3. Interact effectively with patients and their families.
4. Work collaboratively with other healthcare professionals.
5. Demonstrate professionalism and ethical behavior in clinical settings.
6. Evaluate the effectiveness of clinical interventions



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AARIHANT INSTITUTE OF NURSING

PROGRAMME NAME: B.SC NURSING

SEMESTER I

COURSE NAME: COMMUNICATIVE ENGLISH

COURSE CODE: 283011102

COURSE OUTCOMES (CO):

At the end of the course the student will be able to:

1. Identify the significance of Communicative English for healthcare professionals.
2. Apply the concepts and principles of English Language use in professional development such as pronunciation, vocabulary, grammar, paraphrasing, voice modulation, spelling, pause and silence.
3. Demonstrate attentive listening in different hypothetical situations.
4. Converse effectively, appropriately, and timely within the given context and the individual or team they are communicating with either face to face or by other means.
5. Read, interpret, and comprehend content in text, flow sheet, framework, figures, tables, reports, anecdotes, etc.
6. Analyze the situation and apply critical thinking strategies.
7. Enhance expression through writing skills.
8. Apply LSRW (Listening, Speaking, Reading, and Writing) Skill in combination to learn, teach, educate, and share information, ideas, and results.



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COURSE NAME- APPLIED ANATOMY

COURSE CODE- 283011103

COURSE OUTCOMES (COs):

At the end of the course the student will be able to:

1. Describe anatomical terms.
2. Explain the general and microscopic structure of each system of the body.
3. Identify relative positions of the major body organs as well as their general anatomic locations.
4. Explore the effect of alterations in structure.
5. Apply knowledge of anatomic structures to analyze clinical situations and therapeutic applications.
6. Develop an understanding of the normal functioning of various organ systems of the body.

COURSE NAME-APPLIED PHYSIOLOGY

COURSE CODE-283011103

COURSE OUTCOMES (CO)-

At the end of the course of the student will be able to

1. Develop an understanding of the normal functioning of various organ systems of the body.
2. Identify the relative contribution of each organ system towards the maintenance of homeostasis.
3. Describe the effect of alterations in functions.
4. Apply knowledge of physiological basis to analyze clinical situations and therapeutic applications.



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COURSE NAME-APPLIED SOCIOLOGY

COURSE CODE-283011104

COURSE OUTCOMES (CO)-

At the end of the course of the student will be able to

1. At the end of Nursing I course, applied sociology the students should be able to
2. Identify the scope and significance of sociology in nursing.
3. Apply the knowledge of social structure and different culture in a society in identifying social needs of sick clients.
4. Identify the impact of culture on health and illness.
5. Develop understanding about types of family, marriage and its legislation.
6. Identify different types of caste, class, social change and its influence on health and health practices.

COURSE NAME: APPLIED PSYCHOLOGY

COURSE CODE: 283011104

COURSE OUTCOMES (CO):

At the end of the course of the student will be able to

1. Identify the importance of psychology in individual and professional life.
2. Develop understanding of the biological and psychological basis of human behaviour.
3. Identify the role of nurse in promoting mental health and dealing with altered personality.
4. Perform the role of nurses applicable to the psychology of different age groups.
5. Identify the cognitive and affective needs of clients.
6. Integrate the principles of motivation and emotion in performing the role of nurse in caring for emotionally sick clients.



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SEMESTER II

COURSE NAME- NURSING FOUNDATION-I

COURSE CODE- 283011101

COURSE OUTCOMES (CO)-

At the end of course of study in students shall be able to

1. Develop understanding about the concept of health, illness, and scope of nursing within healthcare services.
2. Apply values, code of ethics, and professional conduct in professional life.
3. Apply the principles and methods of effective communication in establishing communication links with patients, families, and other health team members.
4. Develop skill in recording and reporting.
5. Demonstrate competency in monitoring and documenting vital signs.
6. Describe the fundamental principles and techniques of infection control and biomedical waste management.

COURSE NAME-APPLIED BIOCHEMISTRY

COURSE CODE- 283011101

COURSE OUTCOMES (CO)-

At the end of course of study in Biochemistry, students shall be able to

1. Describe the metabolism of carbohydrates and its alterations.
2. Explain the metabolism of lipids and its alterations.
3. Explain the metabolism of proteins and amino acids and its alterations.
4. Explain clinical enzymology in various disease conditions.
5. Explain acid-base balance, imbalance, and its clinical significance.
6. Describe the metabolism of hemoglobin and its clinical significance.



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SEMESTER III

COURSE NAME-APPLIED NUTRITION & DIETETICS

COURSE CODE- 283011201

COURSE OUTCOMES (CO)-

At the end of the course of the student will be able to

1. Different age groups and plan a balanced diet for them.
2. Identify the dietary principles for different diseases.
3. Plan therapeutic diet for patients suffering from various disease conditions.
4. Prepare meals using different methods and cookery rules.

COURSE NAME: NURSING FOUNDATION-II

COURSE CODE: 283011202

COURSE OUTCOMES (CO):

At the end of course in the Nursing student shall be able to:

1. Develop understanding about fundamentals of health assessment and perform health assessment in supervised clinical settings.
2. Demonstrate fundamental skills of assessment, planning, implementation, and evaluation of nursing care using Nursing process approach in supervised clinical settings.
3. Interpret findings of specimen testing applying the knowledge of normal values.
4. Promote oxygenation based on identified oxygenation needs of patients under supervision.
5. Review the concept of fluid, electrolyte balance integrating the knowledge of applied physiology.



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COURSE NAME-HEALTH/NURSING INFORMATICS & TECHNOLOGY

COURSE CODE- 283011203

COURSE OUTCOMES (CO)-

At the end of course of study in Nursing students shall be able to

1. Develop a basic understanding of computer application in patient care and nursing practice.
2. Apply the knowledge of computer and information technology in patient care and nursing education, practice, administration, and research.
3. Describe the principles of health informatics and its use in developing efficient healthcare.
4. Demonstrate the use of information system in healthcare for patient care and utilization of nursing data.
5. Demonstrate the knowledge of using Electronic Health Records (EHR) system in clinical practice.
6. Apply the knowledge of interoperability standards in clinical setting.



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SEMSTER IV

COURSE NAME-APPLIED MICROBIOLOGY/INFECTION CONTROL INCLUDING SAFETY

COURSE CODE-283011301

COURSE OUTCOMES (CO)-

1. Identify the ubiquity and diversity of microorganisms in the human body and the environment.
2. Classify and explain the morphology and growth of microbes.
3. Identify various types of microorganisms.
4. Explore mechanisms by which microorganisms cause disease.
5. Develop understanding of how the human immune system counteracts infection.
6. Apply the principles of preparation and use of vaccines in immunization.

COURSE NAME-PHARMACOLOGY-I

COURSE CODE- 283011302

COURSE OUTCOMES (CO)-

At the end of course of study in Nursing students shall be able to

1. Apply the knowledge of pathology in understanding the deviations from normal to abnormal pathology.
2. Rationalize the various laboratory investigations in diagnosing pathological disorders.
3. Demonstrate the understanding of the methods of collection of blood, body cavity fluids, urine, and feces for various tests.
4. Apply the knowledge of genetics in understanding the various pathological disorders.
5. Appreciate the various manifestations in patients with diagnosed genetic abnormalities.
6. Rationalize the specific diagnostic tests in the detection of genetic abnormalities.



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COURSE NAME-PATHOLOGY-I

COURSE CODE- 283011302

COURSE OUTCOMES (CO)-

At the end of Nursing course, the students should be able to

1. Explain the etiology, pathophysiology, manifestations, diagnostic studies, treatments, and complications of common medical and surgical disorders.
2. Perform complete health assessment to establish a database for providing quality patient care and integrate the knowledge of anatomy, physiology, and diagnostic tests in the process of data collection.
3. Identify nursing diagnoses, list them according to priority, and formulate nursing care plan.
4. Perform nursing procedures skillfully and apply scientific principles while giving comprehensive nursing care to patients.
5. Integrate knowledge of pathology, nutrition, and pharmacology in caring for patients experiencing various medical and surgical disorders.
6. Identify common diagnostic measures related to the health problems with emphasis on nursing assessment and responsibilities

COURSE NAME: ADULT HEALTH NURSING-I

COURSE CODE: 283011303



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COURSE OUTCOMES (CO):

At the end of course in the Nursing student shall be able to:

1. Explain the etiology, pathophysiology, manifestations, diagnostic studies, treatments, and complications of common medical and surgical disorders.
2. Perform complete health assessment to establish a database for providing quality patient care and integrate the knowledge of anatomy, physiology, and diagnostic tests in the process of data collection.
3. Identify nursing diagnoses, list them according to priority, and formulate nursing care plan.
4. Perform nursing procedures skillfully and apply scientific principles while giving comprehensive nursing care to patients.
5. Integrate knowledge of pathology, nutrition, and pharmacology in caring for patients experiencing various medical and surgical disorders.
6. Identify common diagnostic measures related to the health problems with emphasis on nursing assessment and responsibilities.

COURSE NAME-PHARMACOLOGY-II

COURSE CODE- 283011401

COURSE OUTCOMES (CO)

At the end of course in PHARMACOLOGY-II , the Nursing student shall be able to

1. Explain the drugs used in the treatment of ear, nose, throat, and eye disorders.
2. Explain the drugs used in the treatment of urinary system disorders.
3. Describe the drugs used in the treatment of nervous system disorders.
4. Explain the drugs used for hormonal replacement and for pregnant women during antenatal, intranatal, and postnatal periods.
5. Explain the drugs used to treat emergency conditions and immune disorders.
6. Discuss the role and responsibilities of nurses towards safe administration of drugs used to treat disorders of various systems with a basic understanding of pharmacology.



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COURSE NAME-PATHOLOGY-II AND GENETICS

COURSE CODE- 283011401

COURSE OUTCOMES (CO)-

At the end of course of study in Nursing students shall be able to

1. Apply the knowledge of pathology in understanding the deviations from normal to abnormal pathology.
2. Rationalize the various laboratory investigations in diagnosing pathological disorders.
3. Demonstrate the understanding of the methods of collection of blood, body cavity fluids, urine, and feces for various tests.
4. Apply the knowledge of genetics in understanding the various pathological disorders.
5. Appreciate the various manifestations in patients with diagnosed genetic abnormalities.
6. Rationalize the specific diagnostic tests in the detection of genetic abnormalities.

COURSE NAME-ADULTHEALTHNURSING-II

COURSE CODE- 283011402



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COURSE OUTCOMES (CO)-

At the end of course of study in nursing, Adult health nursing, students shall be able to

1. Explain the etiology, pathophysiology, manifestations, diagnostic studies, treatments, and complications of selected common medical and surgical disorders.
2. Perform complete health assessment to establish a data base for providing quality patient care and integrate the knowledge of diagnostic tests in the process of data collection.
3. Identify diagnoses, list them according to priority, and formulate nursing care plan.
4. Perform nursing procedures skillfully and apply scientific principles while giving comprehensive nursing care to patients.
5. Integrate knowledge of anatomy, physiology, pathology, nutrition, and pharmacology in caring for patients experiencing various medical and surgical disorders.
6. Identify common diagnostic measures related to the health problems with emphasis on nursing assessment and responsibilities.

COURSE NAME-PROFESSIONALISM, PROFESSIONAL VALUESÐICS

COURSE CODE- 283011403

COURSE OUTCOMES (CO)-

At the end of course of study in Nursing students shall be able to

1. Describe profession and professionalism.
2. Identify the challenges of professionalism.
3. Maintain respectful communication and relationship with other health team members, patients, and society.
4. Demonstrate professional conduct.
5. Describe various regulatory bodies and professional organizations related to nursing.
6. Discuss the importance of professional values in patient care.



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THIRD YEAR

COURSE NAME-MEDICAL SURGICAL NURSING II

COURSE CODE- 83011301

COURSE OUTCOMES (CO)-

At the end of course of study in Nursing students shall be able to,

1. Explain the etiology, pathophysiology, manifestations, diagnostic studies, treatments, and complications of selected common medical and surgical disorders.
2. Perform complete health assessment to establish a data base for providing quality patient care and integrate the knowledge of diagnostic tests in the process of data collection.
3. Identify diagnoses, list them according to priority, and formulate nursing care plan.
4. Perform nursing procedures skillfully and apply scientific principles while giving comprehensive nursing care to patients.
5. Integrate knowledge of anatomy, physiology, pathology, nutrition, and pharmacology in caring for patients experiencing various medical and surgical disorders.
6. Identify common diagnostic measures related to the health problems with emphasis on nursing assessment and responsibilities.



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COURSE NAME: CHILD HEALTH NURSING

COURSE CODE: 8612010

COURSE OUTCOMES (CO):

At the end of course in the Child health nursing

Nursing student shall be able to:

1. Appreciate the trends and issues in the field of child health nursing.
2. Explain the dynamics of personality development and human behaviour.
3. Describe the concepts of psychobiology in mental disorders and its implications for child health nursing
4. Demonstrate therapeutic communications skills in all interactions
5. Demonstrate the role of paediatric nurse practitioner in various therapeutic modalities
6. Establish and maintain therapeutic relationship with individual and groups.

COURSE NAME: MENTAL HEALTH NURSING

COURSE CODE: 8612010

COURSE OUTCOMES (CO):

At the end of course in the Nursing student shall be able to:

1. Appreciate the trends and issues in the field of psychiatric nursing.
2. Explain the dynamics of personality development and human behaviour.
3. Describe the concepts of psychobiology in mental disorders and its implications for psychiatric nursing
4. Demonstrate therapeutic communications skills in all interactions.
5. Demonstrate the role of psychiatric nurse practitioner in various therapeutic modalities.
6. Establish and maintain therapeutic relationship with individual and groups.



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COURSE NAME: NURSING RESEARCH & STATISTICS

COURSE CODE: 83011304

COURSE OUTCOMES (CO):

At the end of course in the nursing student shall be able to:

1. Define the terms and concepts of nursing research.
2. Identify needs and scope of nursing research.
3. Identify and define a research problem.
4. Locate and list sources of literature for specific study.
5. Describe different research approaches, methods of data collection and sampling techniques with a special reference to survey method.
6. Develop tool for data collection.

FOURTH YEAR

COURSE NAME: Midwifery and Obstetrical Nursing

COURSE CODE: 83011401

COURSE OUTCOMES (CO):

At the end of course in the Nursing student shall be able to:

1. Describe the physiology of pregnancy, labour and puerperium.
2. Manage normal
3. Explain the physiology of lactation and advice on management of breastfeeding.
4. Be skilled in providing



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5. Identify and manage high risk pregnancy including appropriate referrals.

COURSE NAME: COMMUNITY HEALTH NURSING

COURSE CODE: 83011402

COURSE OUTCOMES (CO):

At the end of course in the nursing student shall be able to:

1. Explain the concept to various factors contributing to health of individual, family and community.
2. Identify the role of community health nurse.
3. Describe national health care delivery system.
4. Describe epidemiological methods and principles of prevention and control of illness in the community.
5. Identify the role of personnel working in the community health set up.

COURSE NAME: MANAGEMENT OF NURSING SERVICE AND EDUCATION

COURSE CODE: 83011403

COURSE OUTCOMES (CO):

At the end of course in the nursing student shall be able to:

1. Explain the concept of various factors contributing to management of nursing and education
2. Identify the role of leader
3. Describe role of administration
4. Describe nursing services
5. Identify the role of leader for administration set up.



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AARIHANT INSTITUTE OF NURSING

PROGRAMME NAME: P.B.B.SC NURSING

COURSE NAME: NURSING FOUNDATION

COURSE CODE: 84110101

COURSE OUTCOMES (CO):

At the end of course in the Nursing student shall be able to:

1. Identify professional aspects of nursing.
2. Explain theories of nursing.
3. Identify ethical aspects of nursing profession.
4. Utilize steps of nursing process.
5. Identify the role of the nurse in various levels of health services.
6. Appreciate the significance of quality assurance in nursing.

COURSE NAME: NUTRITION & DIETETICS

COURSE CODE: 84110102

COURSE OUTCOMES (CO):

At the end of course in the Nursing student shall be able to:

1. Explain the principles and practices of nutrition and dietetics.
2. Plan therapeutic diets in different settings.
3. Identify nutritional needs of different age groups and plan diet accordingly.
4. Prepare meals using different methods utilizing cookery rules.



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COURSE NAME: BIOCHEMISTRY

COURSE CODE: 84110103

COURSE OUTCOMES (CO):

At the end of course in the Nursing student shall be able to:

1. Identify the basic principles of Biochemistry.
2. Describe functions of water.
3. Explain the metabolism of Enzyme.
4. Explain the metabolism of carbohydrates, proteins and fat.

COURSE NAME: PSYCHOLOGY

COURSE CODE: 84110104

COURSE OUTCOMES (CO):

At the end of course in the Nursing student shall be able to:

1. Apply psychological principles while performing nursing duties.
2. Distinguish the psychological processes during health and sickness
3. Analyze own behaviour patterns.
4. Tabulate the psychological needs of the patients for planning nursing care.
5. Participate in psychometric assessment of the client.



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COURSE NAME: MICROBIOLOGY

COURSE CODE: 84110107

COURSE OUTCOMES (CO):

At the end of course in the Nursing student shall be able to:

1. Identify common disease producing micro-organisms.
2. Explain the basic principles of microbiology and their significance in health and disease.
3. Demonstrate skill in handling specimens.
4. Explain various methods of disinfection and sterilization.
5. Identify the role of the nurse in hospital infection control system.

COURSE NAME: MATERNAL NURSING

COURSE CODE: 84110105

COURSE OUTCOMES (CO):

At the end of course in the Nursing student shall be able to:

1. Describe the physiology of pregnancy, labour and puerperium.
2. Manage normal delivery and its treatment
3. Explain the physiology of lactation and advice on management of breastfeeding.
4. Be skilled in providing
5. Identify and manage high risk pregnancy including appropriate referrals.



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COURSE NAME: CHILD HEALTH NURSING

COURSE CODE: 84110106

COURSE OUTCOMES (CO):

At the end of course in the nursing student shall be able to:

1. Explain the modern concept of child care and the principles of child health nursing
2. Describe the normal growth and development of children at different ages
3. Manage sick as well as healthy neonates and children.
4. Identify various aspects of preventive pediatric nursing and apply them in providing nursing care to children in hospital and community.

COURSE NAME: MEDICAL-SURGICAL NURSING

COURSE CODE: 84110108

COURSE OUTCOMES (CO):

At the end of course in the Nursing student shall be able to:

1. Explain relevant Anatomy and Physiology of various systems of the body.
2. Explain Pathophysiology of various disorders.
3. Explain the actions, side effects and nursing implications in administering drugs for various disorders.
4. Discuss the recent advancement in the treatment and care of patients with medical and surgical conditions.
5. Develop skill in giving comprehensive nursing care to patients following the steps of nursing process.
6. Assist the patients and their families in identifying and meeting their own health needs. Appreciate the role of the nurse in the medical surgical health.



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COURSE NAME: ENGLISH

COURSE CODE: 84110109

COURSE OUTCOMES (CO):

At the end of course in the ENGLISH Nursing student shall be able to:

1. Ability to speak and write grammatically correct English
2. Effective skill in reading and understanding the English language.
3. Skill in reporting.

COURSE NAME: SOCIOLOGY

COURSE CODE: 86110201

COURSE OUTCOMES (CO):

At the end of course in the SOCIOLOGY Nursing student shall be able to:

1. Describe sociological concepts that are applicable to nursing.
2. Determine role of sociology in nursing as related to social institutions in India.
3. Develop positive attitudes towards individual, family and community.



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COURSE NAME: COMMUNITY HEALTH NURSING

COURSE CODE: 86110202

COURSE OUTCOMES (CO):

At the end of course in the Nursing students shall be able to:

1. Explain the concept of various factors contributing to health of individual, family and community.
2. Identify the role of community health nurse.
3. Describe national health care delivery system.
4. Describe epidemiological methods and principles of prevention and control of illness in the community.
5. Identify the role of personnel working in the community health set up.

COURSE NAME: MENTAL HEALTH NURSING

COURSE CODE: 86110203

COURSE OUTCOMES (CO):

At the end of course in the Nursing students shall be able to:

1. Identify and describe the philosophy and principles of mental health nursing.
2. Describe the historical development to mental health and psychiatric nursing.
3. Classify mental disorders.
4. Develop skill in history taking and performing mental status examination.
5. Describe etiological factors, psycho-pathology, clinical features, diagnostic criteria and treatment methods used for mental disorders.
6. Manage the patients with various mental disorders.



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COURSE NAME: INTRODUCTION TO NURSING EDUCATION

COURSE CODE: 86110204

COURSE OUTCOMES (CO):

At the end of course in the Nursing student shall be able to:

1. Describe the philosophy and principles of Education.
2. Explain the teaching-learning process.
3. Develop the ability to teach, using various methods and media.
4. Describe the process of assessment.
5. Describe the administrative aspects of school of nursing.
6. Participate in planning and organizing an in-service education programme.

COURSE NAME: INTRODUCTION TO NURSING SERVICE ADMINISTRATION

COURSE CODE: 86110205

COURSE OUTCOMES (CO):

At the end of course in the Nursing student shall be able to:

1. Identify the principles of administration.
2. Explain the principles and methods of personnel management.
3. Explain the principles of budgeting.



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COURSE NAME: INTRODUCTION TO NURSING RESEARCH & STATISTICS-

COURSE CODE: 86110206

COURSE OUTCOMES (CO):

At the end of course in the Nursing student shall be able to:

1. Define the terms and concepts of nursing research.
2. Identify needs and scope of nursing research.
3. Identify and define a research problem.
4. Locate and list sources of literature for a specific study.
5. Describe different search approaches, methods of data collection and sampling techniques with a special reference to survey method.
6. Develop tool for data collection.

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