



SATHYABAMA

INSTITUTE OF SCIENCE AND TECHNOLOGY
(DEEMED TO BE UNIVERSITY)

Accredited A++ Grade by NAAC | 12B Status by UGC | Approved by AICTE

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Sathyabama College of Nursing

1.2.1 New courses 2022- 2023

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ENGL 101- COMMUNICATIVE ENGLISH

PLACEMENT: I SEMESTER

THEORY: 2 Credits (40 hours)

DESCRIPTION: The course is designed to enable students to enhance their ability to speak and write the language (and use English) required for effective communication in their professional work. Students will practice their skills in verbal and written English during clinical and classroom experience.

COMPETENCIES: On completion of the course, the students 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. Analyse the situation and apply critical thinking strategies.
7. Enhance expressions through writing skills.
8. Apply LSRW (Listening, Speaking, Reading and Writing) Skill in combination to learn, teach, educate and share information, ideas and results.

COURSEOUTLINE

T–Theory

Unit	Time(Hrs)	Learning Outcomes	Content	Teaching/Learning Activities	Assessment Methods
I	3 (T)	Identify the significance of communicative English	Communication • What is communication? • What are communication roles of listeners, speakers, readers and writers as healthcare professionals?	• Definitions with examples, illustrations and explanations • Identifying competencies/ communicative strategies in LSRW • Reading excerpts on the above and interpreting them through	• Checking for understanding through tasks

				tasks	
II	5 (T)	Describe concepts and principles of Language (English) use in professional development such as pronunciation, vocabulary, grammar, paraphrasing, voice modulation, spelling, pause and silence	Introduction to LSRGW • L – Listening: Different types of listening • S – Speaking: Understanding Consonants, Vowels, Word and Sentence Stress, Intonation • R – Reading: Medical vocabulary, • Gr – Grammar: Understanding tenses, linkers • W – Writing simple sentences and short paragraphs – emphasis on correct grammar	• Exercises on listening to news, announcements , telephone conversations and instructions from others • Information on fundamentals of Speech – Consonant, Vowel, Stress and Intonation with tasks based on these through audio/video and texts	• Through ‘check your understanding’ exercises
III	5 (T)	Demonstrate attentive listening in different hypothetical situations	Attentive Listening • Focusing on listening in different situations – announcements, descriptions, narratives, instructions, discussions, demonstrations • Reproducing Verbatim • Listening to academic talks/ lectures • Listening to presentation	• Listening to announcements, news, documentaries with tasks based on listening • With multiple choice, Yes/No and fill in the blank activities	• Checking individually against correct answers • Listening for specific information • Listening for overall meaning and instructions • Listening to attitudes and opinions • Listening to audio, video and identify key points

IV	9 (T)	Converse effectively, appropriately and timely within the given context and the individual or team they are communicating with either face to face or other means	Speaking – Effective Conversation • Conversation situations – informal, formal and neutral • Factors influencing way of speaking – setting, topic, social relationship, attitude and language • Greetings, introductions, requesting, asking for and giving permission, speaking personally and casual conversations • Asking for information, giving instructions and directions • Agreeing and disagreeing, giving opinions • Describing people, places, events and things, narrating, reporting & reaching conclusions • Evaluating and comparing • Complaints and suggestions • Telephone conversations Delivering presentations	• Different types of speaking activities related to the content • Guided with prompts and free discussions • Presentation techniques • Talking to peers and other adults. • Talking to patients and Patient attenders • Talking to other healthcare professionals • Classroom conversation • Scenario based learning tasks	• Individual and group/peer assessment through live speaking tests • Presentation of situation in emergency and routine • Handoff • Reporting in doctors/nurses' rounds • Case presentation • Face to face oral communication • Speaking individually (Nurse to nurse/patient/doctor) and to others in the group • Telephonic talking
V	5 (T)	Read, interpret and comprehend content in text, flow sheet, framework, figures, tables, reports, anecdotes	• Reading • Reading strategies, reading notes and messages • Reading relevant articles and news items • Vocabulary for everyday activities, abbreviations and medical vocabulary • Understanding visuals, graphs, figures and notes on instructions	• Detailed tasks and exercises on reading for information, inference and evaluation • Vocabulary games and puzzles for medical lexis	• Reading/summarizing/justifying answers orally • Patient document • Doctor's prescription of care • Journal/news

Unit	Time (Hrs)	Learning Outcome s	Content	Teaching/Learning Activities	Assessment Methods
			• Reading reports and interpreting them • Using idioms and phrases, spotting errors, vocabulary for presentations • Remedial Grammar	• Grammar activities	• reading and interpretation • Notes/Reports
VI	5 (T)	Enhance expressions through writing skills	Writing Skills • Writing patient history • Note taking • Summarising • Anecdotal records • Letter writing • Diary/Journal writing • Report writing • Paper writing skills • Abstract writing	• Writing tasks with focus on task fulfilment, coherence and cohesion, appropriate vocabulary and correct grammar • Guided and free tasks • Different kinds of letter writing tasks	• Paper based assessment by the teacher/trainer against set band descriptors • Presentation of situation • Documentation • Report writing • Paper writing skills • Verbatim reproducing • Letter writing • Resume/CV
VII	8 (T)	Apply LSRW Skill in combination to learn, teach, educate and share information, ideas and results	LSRW Skills • Critical thinking strategies for listening and reading • Oral reports, presentations • Writing instructions, letters and reports • Error analysis regarding LSRW	• Valuating different options/multiple answers and interpreting decisions through situational activities • Demonstration – individually and in groups • Group Discussion • Presentation • Role Play • Writing reports	• Consolidated assessment orally and through written tasks/exercises

ANAT 105- APPLIED ANATOMY

PLACEMENT: I SEMESTER

THEORY: 3 Credits (60 hours)

DESCRIPTION: The course is designed to assist student to recall and further acquire the knowledge of the normal structure of human body, identify alteration in anatomical structure with emphasis on clinical application to practice nursing.

COMPETENCIES: On completion of the course, the students 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. Apply knowledge of anatomic structures to analyze clinical situations and therapeutic applications.

COURSE OUTLINE

T–Theory

Unit	Time(Hrs)	Learning Outcomes	Content	Teaching/Learning Activities	Assessment Methods
I	8 (T)	Define the terms relative to the anatomical position Describe the anatomical planes Define and describe the terms used to describe movements Organization of human body and structure of cell, tissues membranes and glands Describe the types of cartilage	Introduction to anatomical terms and organization of the human body • Introduction to anatomical terms relative to position – anterior, ventral, posterior dorsal, superior, inferior, median, lateral, proximal, distal, superficial, deep, prone, supine, palmar and plantar • Anatomical planes (axial/transverse/ horizontal, sagittal/vertical plane and coronal/frontal/oblique plane) • Movements (flexion, extension, abduction, adduction, medial rotation, lateral rotation, inversion, eversion, supination, pronation, plantar flexion, dorsal flexion and circumduction) • Cell structure, Cell division • Tissue – definition, types, characteristics, classification, location • Membrane, glands – classification and structure • Identify major surface and bony landmarks in each body region, Organization of human body Hyaline, fibro cartilage, elastic cartilage • Features of skeletal, smooth and cardiac muscle • Application and implication in nursing	• Lecture cum Discussion • Use of models • Video demonstration • Use of microscopic slides • Lecture cum Discussion • Video/Slides • Anatomical Torso	• Quiz • MCQ • Short answer

II	6 (T)	Describe the structure of respiratory system Identify the muscles of respiration and examine their contribution to the mechanism of breathing	The Respiratory system • Structure of the organs of respiration • Muscles of respiration Application and implication in nursing	• Lecture cum Discussion • Models • Video/Slides	• Short answer • Objective type
III	6 (T)	Describe the structure of digestive system	The Digestive system • Structure of alimentary canal and accessory organs of digestion Application and implications in nursing	• Lecture cum Discussion • Video/Slides • Anatomical Torso	• Short answer • Objective type
IV	6 (T)	Describe the structure of circulatory and lymphatic system.	The Circulatory and Lymphatic system • Structure of blood components, blood vessels – Arterial and Venous system • Position of heart relative to the associated structures • Chambers of heart, layers of heart • Heart valves, coronary arteries • Nerve and blood supply to heart • Lymphatic tissue • Veins used for IV injections Application and implication in nursing	• Lecture • Models • Video/Slides	• Short answer • MCQ
V	4 (T)	Identify the major endocrine glands and describe the structure of endocrine Glands	The Endocrine system • Structure of Hypothalamus, Pineal Gland, Pituitary gland, Thyroid, Parathyroid, Thymus, Pancreas and Adrenal glands	• Lecture Models/charts	• Short answer • Objective type
VI	4 (T)	Describe the structure of various sensory organs	The Sensory organs • Structure of skin, eye, ear, nose and tongue Application and implications in nursing	• Lecture Explain with Video/models/charts	• Short answer MCQ

VII	10 (T)	Describe anatomical position and structure of bones and joints Identify major bones that make up the axial and appendicular skeleton Classify the joints Identify the application and implications in nursing Describe the structure of muscle	The Musculoskeletal system: The Skeletal system • Anatomical positions • Bones – types, structure, growth and ossification • Axial and appendicular skeleton • Joints – classification, major joints and structure • Application and implications in nursing	• Review – discussion • Lecture • Discussions • Explain using charts, skeleton and loose bones and torso • Identifying muscles involved in nursing procedures in lab	• Short answer • Objective type
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		Apply the knowledge in performing nursing procedures/skills	The Muscular system • Types and structure of muscles • Muscle groups – muscles of the head, neck, thorax, abdomen, pelvis, upper limb and lower limbs • Principal muscles – deltoid, biceps, triceps, respiratory, abdominal, pelvic floor, pelvic floor muscles, gluteal muscles and vastus lateralis • Major muscles involved in nursing procedures		
VIII	5 (T)	Describe the structure of renal system	The Renal system • Structure of kidney, ureters, bladder, urethra • Application and implication in nursing	• Lecture • Models/charts	• MCQ • Short answer
IX	5 (T)	Describe the structure of reproductive system	The Reproductive system • Structure of male reproductive organs • Structure of female reproductive organs • Structure of breast	• Lecture • Models/charts	• MCQ • Short answer
X	6 (T)	Describe the structure of nervous system including the distribution of the nerves, nerve plexuses Describe the ventricular system	The Nervous system • Review Structure of neurons • CNS, ANS and PNS (Central, autonomic and peripheral) • Structure of brain, spinal cord, cranial nerves, spinal nerves, peripheral nerves, functional areas of cerebral cortex • Ventricular system – formation, circulation, and drainage • Application and implication in nursing	• Lecture • Explain with models • Video slides	• MCQ • Short answer

Note: Few lab hours can be planned for visits, observation and handling (less than 1 credit lab hours are not specified separate

PHYS 110-APPLIED PHYSIOLOGY

PLACEMENT: I SEMESTER

THEORY: 3 Credits (60 hours)

DESCRIPTION: The course is designed to assist student to acquire comprehensive knowledge of the normal functions of the organ systems of the human body to facilitate understanding of physiological basis of health, identify alteration in functions and provide the student with the necessary physiological knowledge to practice nursing.

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

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

COURSE OUTLINE

T–Theory

Unit	Time(Hrs)	Learning Outcomes	Content	Teaching/Learning Activities	Assessment Methods
I	4 (T)	Describe the physiology of cell, tissues, membranes and glands	General Physiology – Basic concepts • Cell physiology including transportation across cell membrane • Body fluid compartments, Distribution of total body fluid, intracellular and extracellular compartments, major electrolytes and maintenance of homeostasis • Cell cycle • Tissue – formation, repair • Membranes and glands – functions • Application and implication in nursing	• Review – discussion • Lecture cum Discussion • Video demonstrations	• Quiz • MCQ • Short answer

II	6 (T)	Describe the physiology and mechanism of respiration Identify the muscles of respiration and examine their contribution to the mechanism of breathing	Respiratory system • Functions of respiratory organs • Physiology of respiration • Pulmonary circulation – functional features • Pulmonary ventilation, exchange of gases • Carriage of oxygen and carbon-dioxide, Exchange of gases in tissue • Regulation of respiration • Hypoxia, cyanosis, dyspnea, periodic breathing • Respiratory changes during exercise • Application and implication in nursing	• Lecture • Video slides	• Essay • Short answer • MCQ
III	8 (T)	Describe the functions of digestive system	Digestive system • Functions of the organs of digestive tract • Saliva – composition, regulation of secretion and functions of saliva • Composition and function of gastric juice, mechanism and regulation of gastric secretion • Composition of pancreatic juice, function, regulation of pancreatic secretion • Functions of liver, gall bladder and pancreas • Composition of bile and function • Secretion and function of small and large intestine • Movements of alimentary tract • Digestion in mouth, stomach, small intestine, large intestine, absorption of food • Application and implications in nursing	• Lecture cum Discussion • Video slides	• Essay • Short answer • MCQ
IV	6 (T)	Explain the functions of the	Circulatory and Lymphatic system • Functions of heart, conduction system,	• Lecture	• Short answer

Unit	Time(Hrs)	Learning Outcomes	Content	Teaching/Learning Activities	Assessment Methods
		heart, and physiology of circulation	cardiac cycle, Stroke volume and cardiac output • Blood pressure and Pulse • Circulation – principles, factors influencing blood pressure, pulse • Coronary circulation, Pulmonary and systemic circulation • Heart rate – regulation of heart rate • Normal value and variations • Cardiovascular homeostasis in exercise and posture • Application and implication in nursing	• Discussion • Video/Slides	• MCQ
V	5 (T)	Describe the composition and functions of blood	Blood • Blood – Functions, Physical characteristics • Formation of blood cells • Erythropoiesis – Functions of RBC, RBC life cycle • WBC – types, functions • Platelets – Function and production of platelets • Clotting mechanism of blood, clotting time, bleeding time, PTT • Hemostasis – role of vasoconstriction, platelet plug formation in hemostasis, coagulation factors, intrinsic and extrinsic pathways of coagulation • Blood groups and types • Functions of reticuloendothelial system, immunity • Application in nursing	• Lecture • Discussion • Videos	• Essay • Short answer • MCQ
VI	5 (T)	Identify the major endocrine glands and describe their functions	The Endocrine system • Functions and hormones of Pineal Gland, Pituitary gland, Thyroid, Parathyroid, Thymus, Pancreas and Adrenal glands. • Other hormones • Alterations in disease	• Lecture • Explain using charts	• Short answer • MCQ

			• Application and implication in nursing		
VII	4 (T)	Describe the structure of various sensory organs	The Sensory Organs • Functions of skin • Vision, hearing, taste and smell • Errors of refraction, aging changes • Application and implications in nursing	• Lecture • Video	• Short answer • MCQ
VIII	6 (T)	Describe the functions of	Musculoskeletal system • Bones – Functions, movements of bones of axial and appendicular skeleton, Bone healing • Joints and joint movements • Alteration of joint disease • Properties and Functions of skeletal muscles – mechanism of muscle contraction • Structure and properties of cardiac muscles and smooth muscles Application and implication in nursing	• Lecture	• Structured essay
IX	4 (T)	Describe the physiology of renal system	Renal system • Functions of kidney in maintaining homeostasis • GFR • Functions of ureters, bladder and urethra • Micturition • Regulation of renal function Application and implication in nursing	• Lecture • Charts and models	• Short answer • MCQ
X	4 (T)	Describe the structure of reproductive system	The Reproductive system • Female reproductive system – Menstrual cycle, function and hormones of ovary, oogenesis, fertilization, implantation, Functions of breast • Male reproductive system – Spermatogenesis, hormones and its functions, semen Application and implication in providing nursing care	• Lecture • Explain using charts, models, specimens	• Short answer • MCQ
XI	8 (T)	Describe the functions	• Nervous system • Overview of nervous system • Review of types, structure and	• Lecture cum Discussion • Video slides	• Brief structured essays • Short answer

		of brain, physiology of nerve stimulus, reflexes, cranial and spinal nerves	functions of neurons • Nerve impulse • Review functions of Brain-Medulla, Pons, Cerebrum, Cerebellum • Sensory and Motor Nervous system • Peripheral Nervous system • Autonomic Nervous system • Limbic system and higher mental Functions- Hippocampus, Thalamus, Hypothalamus • Vestibular apparatus • Functions of cranial nerves • Autonomic functions Physiology of Pain-somatic, visceral and referred • Reflexes • CSF formation, composition, circulation of CSF, blood brain barrier and blood CSF barrier Application and implication in nursing		• MCQ • Critical reflection
			• Reflexes • CSF formation, composition, circulation of CSF, blood brain barrier and blood CSF barrier • Application and implication in nursing	•	•

SOCI 115- APPLIED SOCIOLOGY**PLACEMENT:** I SEMESTER**THEORY:** 3 Credits (60 hours)

DESCRIPTION: This course is designed to enable the students to develop understanding about basic concepts of sociology and its application in personal and community life, health, illness and nursing.

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

1. Identify the scope and significance of sociology in nursing.
2. Apply the knowledge of social structure and different culture in a society in identifying social needs of sick clients.
3. Identify the impact of culture on health and illness.
4. Develop understanding about types of family, marriage and its legislation.
5. Identify different types of caste, class, social change and its influence on health and health practices.
6. Develop understanding about social organization and disorganization and social problems in India.
7. Integrate the knowledge of clinical sociology and its uses in crisis intervention

COURSEOUTLINE**T–Theory**

Unit	Time(Hrs)	LearningOutcomes	Content	Teaching/LearningActivities	Assessment Methods
I	1 (T)	Describe the scope and significance of sociology in nursing	Introduction • Definition, nature and scope of sociology • Significance of sociology in nursing	• Lecture • Discussion	• Essay • Short answer
II	15 (T)	Describe the individualization, Groups, processes of Socialization, social change and its importance	Social structure • Basic concept of society, community, association and institution • Individual and society • Personal disorganization • Social group – meaning, characteristics, and classification. • Social processes – definition and forms, Co- operation, competition, conflict, accommodation, assimilation, isolation • Socialization – characteristics, process, agencies of socialization • Social change – nature, process, and role of nurse	• Lecture cum Discussion	• Essay • Short answer • Objective type

Unit	Time (Hrs)	Learning Outcomes	Content	Teaching/Learning Activities	Assessment Methods
			• Structure and characteristics of urban, rural and tribal community. • Major health problems in urban, rural and tribal communities • Importance of social structure in nursing profession		
III	8 (T)	Describe culture and its impact on health and disease	Culture • Nature, characteristic and evolution of culture • Diversity and uniformity of culture • Difference between culture and civilization • Culture and socialization • Transcultural society • Culture, Modernization and its impact on health and disease	• Lecture • Panel discussion	• Essay • Short answer
IV	8 (T)	Explain family, marriage and legislation related to marriage	Family and Marriage • Family – characteristics, basic need, types and functions of family • Marriage – forms of marriage, social custom relating to marriage and importance of marriage • Legislation on Indian marriage and family. • Influence of marriage and family on health and health practices	• Lecture	• Essay • Short answer • Case study report
V	8 (T)	Explain different types of caste and classes in society and its influence on health	Social stratification • Introduction – Characteristics & forms of stratification • Function of stratification • Indian caste system – origin and characteristics • Positive and negative impact of caste in society. • Class system and status • Social mobility-meaning and types • Race – concept, criteria of racial classification • Influence of class, caste and race system	• Lecture • Panel discussion	• Essay • Short answer • Objective type

			on health.		
VI	15 (T)	Explain social organization, disorganization, social problems and role of nurse in reducing social problems	Social organization and disorganization • Social organization – meaning, elements and types • Voluntary associations • Social system – definition, types, role and status as structural element of social system. • Interrelationship of institutions • Social control – meaning, aims and process of social control • Social norms, moral and values • Social disorganization – definition, causes, Control and planning • Major social problems – poverty, housing, food supplies, illiteracy, prostitution, dowry, Child labour, child abuse, delinquency, crime, substance abuse, HIV/AIDS, COVID-19 • Vulnerable group – elderly, handicapped, minority and other marginal group. • Fundamental rights of individual, women and children • Role of nurse in reducing social problem and enhance coping • Social welfare programs in India	• Lecture • Group discussion • Observational visit	• Essay • Short answer • Objective type • Visit report
VII	5 (T)	Explain clinical sociology and its application in the hospital and community	Clinical sociology • Introduction to clinical sociology • Sociological strategies for developing services for the abused Use of clinical sociology in crisis intervention	• Lecture, • Group discussion • Role play	• Essay • Short answer

PSYC 120- APPLIED PSYCHOLOGY

COURSEOUTLINE

T–Theory

PLACEMENT: I SEMESTER

THEORY: 3 Credits (60 Hours)

DESCRIPTION: This course is designed to enable the students to develop understanding about basic concepts of psychology and its application in personal and community life, health, illness and nursing. It further provides students opportunity to recognize the significance and application of soft skills and self-empowerment in the practice of nursing.

COMPETENCIES: On completion of the course, the students 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 client.
7. Demonstrate basic understanding of psychological assessment and nurse's role.
8. Apply the knowledge of soft skills in workplace and society.
9. Apply the knowledge of self-empowerment in workplace, society and personal life.

COURSEOUTLINE

T–Theory

Unit	Time(Hrs)	Learning Outcomes	Content	Teaching/Learning Activities	Assessment Methods
I	2 (T)	Describe scope, branches and significance of psychology in nursing	Introduction • Meaning of Psychology • Development of psychology – Scope, branches and methods of psychology • Relationship with other subjects • Significance of psychology in nursing • Applied psychology to solve everyday issues	• Lecture cum Discussion	• Essay • Short answer

II	4 (T)	Describe biology of human behaviour	Biological basis of behavior – Introduction • Body mind relationship • Genetics and behaviour • Inheritance of behaviour • Brain and behaviour. • Psychology and sensation – sensory process – normal and abnormal	• Lecture • Discussion	• Essay • Short answer
III	5 (T)	Describe mentally healthy person and defense mechanisms	Mental health and mental hygiene • Concept of mental health and mental hygiene • Characteristic of mentally healthy person • Warning signs of poor mental health • Promotive and preventive mental health strategies and services • Defense mechanism and its implication • Frustration and conflict – types of conflicts and measurements to overcome • Role of nurse in reducing frustration and conflict and enhancing coping • Dealing with ego	• Lecture • Case discussion • Role play	• Essay • Short answer • Objective type
IV	7 (T)	Describe psychology of people in different age groups and role of nurse	Developmental psychology • Physical, psychosocial and cognitive development across life span – Prenatal through early childhood, middle to late childhood through adolescence, early and mid-adulthood, late adulthood, death and dying • Role of nurse in supporting normal growth and development across the life span • Psychological needs of various groups in health and sickness – Infancy, childhood, adolescence, adulthood and older adult • Introduction to child psychology and role of nurse in meeting the psychological needs of	• Lecture • Group • discussion	• Essay • Short answer

Unit	Time(Hrs)	Learning Outcomes	Content	Teaching/Learning Activities	Assessment Methods
			children • Psychology of vulnerable individuals – challenged, women, sick etc. • Role of nurse with vulnerable groups		
V	4 (T)	Explain personality and role of nurse in identification and improvement in altered personality	Personality • Meaning, definition of personality • Classification of personality • Measurement and evaluation of personality – Introduction • Alteration in personality • Role of nurse in identification of individual personality and improvement in altered personality	• Lecture • Discussion • Demonstration	• Essay and short answer • Objective type
VI	16 (T)	Explain cognitive process and their applications	Cognitive process • Attention – definition, types, determinants, duration, degree and alteration in attention • Perception – Meaning of Perception, principles, factor affecting perception, • Intelligence – Meaning of intelligence – Effect of heredity and environment in intelligence, classification, Introduction to measurement of intelligence tests – Mental deficiencies • Learning – Definition of learning, types of learning, Factors influencing learning – Learning process, Habit formation • Memory-meaning and nature of memory, factors influencing memory, methods to improve memory, forgetting • Thinking – types, level, reasoning and problem solving. • Aptitude – concept, types, individual differences and variability	• Lecture • Discussion	• Essay and short answer • Objective type

			• Psychometric assessment of cognitive processes – Introduction • Alteration in cognitive processes		
VII	6 (T)	Describe motivation, emotion, attitude and role of nurse in emotionally sick client	Motivation and emotional processes • Motivation – meaning, concept, types, theories of motivation, motivation cycle, biological and special motives • Emotions – Meaning of emotions, development of emotions, alteration of emotion, emotions in sickness – handling emotions in self and other • Stress and adaptation – stress, stressor, cycle, effect, adaptation and coping • Attitudes – Meaning of attitudes, nature, factor affecting attitude, attitudinal change, Role of attitude in health and sickness • Psychometric assessment of emotions and attitude – Introduction • Role of nurse in caring for emotionally sick client	• Lecture • Group discussion	• Essay and short answer • Objective type
VII I	4 (T)	Explain psychological assessment and tests and role of nurse	Psychological assessment and tests – introduction • Types, development, characteristics, principles, uses, interpretation Role of nurse in psychological assessment	• Lecture • Discussion • Demonstration	• Short answer • Assessment of practice
IX	10 (T)	Explain concept of soft skill and its application in work place and society	Application of soft skill • Concept of soft skill • Types of soft skill – visual, aural and communication skill • The way of communication • Building relationship with client and society • Interpersonal Relationships (IPR): Definition, Types, and Purposes, Interpersonal skills, Barriers, Strategies to overcome barriers • Survival strategies – managing time,	• Lecture • Group discussion • Role play • Refer/Complete Soft skills module	• Essay and short answer

			coping stress, resilience, work – life balance • Applying soft skill to workplace and society – Presentation skills, social etiquette, telephone etiquette, motivational skills, teamwork etc. Use of soft skill in nursing		
X	2 (T)	Explain self-empowerment	Self-empowerment • Dimensions of self-empowerment • Self-empowerment development • Importance of women's empowerment in society • Professional etiquette and personal grooming Role of nurse in empowering others	• Lecture • Discussion	• Short answer • Objective type

N-NF (I) 125- NURSING FOUNDATION - I (including First Aid module)

PLACEMENT: I SEMESTER

THEORY: 6 Credits (120 hours)

PRACTICUM: Skill Lab: 2 Credits (80 hours) and Clinical: 2 Credits (160 hours)

DESCRIPTION: This course is designed to help novice nursing students develop knowledge and competencies required to provide evidence-based, comprehensive basic nursing care for adult patients, using nursing process approach.

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

1. Develop understanding about the concept of health, illness and scope of nursing within health care 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.
7. Identify and meet the comfort needs of the patients.
8. Perform admission, transfer, and discharge of a patient under supervision applying the knowledge.
9. Demonstrate understanding and application of knowledge in caring for patients with restricted mobility.
10. Perform first aid measures during emergencies.
11. Identify the educational needs of patients and demonstrate basic skills of patient education.

***Mandatory Module used in Teaching/Learning:**

First Aid: 40 Hours (including Basic CPR)

COURSE OUTLINE
T–Theory, SL–Skill Lab

Unit	Time (Hrs)	Learning Outcomes	Content	Teaching/Learning Activities	Assessment Methods
I	5 (T)	Describe the concept of health and illness	Introduction to health and illness • Concept of Health – Definitions (WHO), Dimensions • Maslow's hierarchy of needs • Health – Illness continuum • Factors influencing health • Causes and risk factors for developing illnesses • Illness – Types, illness behavior • Impact of illness on patient and family	• Lecture • Discussion	• Essay • Short answer • Objective type
II	5 (T)	Describe the levels of illness prevention and care, health care services	Health Care Delivery Systems – Introduction of Basic Concepts & Meanings • Levels of Illness Prevention – Primary (Health Promotion), Secondary and Tertiary • Levels of Care – Primary, Secondary and Tertiary • Types of health care agencies/ services – Hospitals, clinics, Hospice, rehabilitation centres, extended care facilities • Hospitals – Types, Organization and Functions Healthcare teams in hospitals – members and their role	• Lecture • Discussion	• Essay • Short answer • Objective type

III	12 (T)	Trace the history of Nursing Explain the concept, nature and scope of nursing Describe values, code of ethics and professional conduct for nurses in India	History of Nursing and Nursing as a profession - History of Nursing, History of Nursing in India - Contributions of Florence Nightingale - Nursing – Definition – Nurse, Nursing, Concepts, philosophy, objectives, Characteristics, nature and Scope of Nursing/ Nursing practice, Functions of nurse, Qualities of a nurse, Categories of nursing personnel - Nursing as a profession – definition and characteristics/criteria of profession - Values – Introduction – meaning and importance - Code of ethics and professional conduct for nurses – Introduction	- Lecture - Discussion - Case discussion - Role plays	- Essay - Short answers - Objective type
IV	8 (T) 3 (SL)	Describe the process, principles, and types of communication Explain therapeutic, non-therapeutic and professional communication Communicate effectively with patients, their families and team members	Communication and Nurse Patient Relationship - Communication – Levels, Elements and Process, Types, Modes, Factors influencing communication - Methods of effective communication/therapeutic communication techniques - Barriers to effective communication/non-therapeutic communication techniques - Professional communication - Helping Relationships (Nurse Patient Relationship) – Purposes and Phases - Communicating effectively with patient, families and team members - Maintaining effective human relations and communication with vulnerable groups (children, women, physically and mentally challenged and elderly)	- Lecture - Discussion - Role play and video film on Therapeutic Communication	- Essay - Short answer - Objective type

V	4 (T) 2 (SL)	Describe the purposes, types and techniques of recording and reporting Maintain records and reports accurately	Documentation and Reporting • Documentation – Purposes of Reports and Records • Confidentiality • Types of Client records/Common Record- keeping forms • Methods/Systems of documentation/Recording • Guidelines for documentation • Do's and Don'ts of documentation/Legal guidelines for Documentation/Recording • Reporting – Change of shift reports, Transfer reports, Incident reports	• Lecture • Discussion • Demonstration	• Essay • Short answer • Objective type
VI	15 (T) 20 (SL)	Describe principles and techniques of monitoring and maintaining vital signs	Vital signs • Guidelines for taking vital signs • <i>Body temperature</i> – ○ Definition, Physiology, Regulation, Factors affecting body temperature ○ Assessment of body temperature – sites, equipment and technique ○ Temperature alterations – Hyperthermia, Heat Cramps, Heat Exhaustion, Heatstroke, Hypothermia ○ Fever/Pyrexia – Definition, Causes, Stages, Types • Nursing Management ○ Hot and Cold applications • <i>Pulse</i>: ○ Definition, Physiology and Regulation, Characteristics, Factors affecting pulse ○ Assessment of pulse – sites, equipment and technique ○ Alterations in pulse • <i>Respiration</i>: ○ Definition, Physiology and Regulation, Mechanics of breathing, Characteristics, Factors affecting respiration	• Lecture • Discussion • Demonstration & Re-demonstration	• Essay • Short answer • Objective type • Document the given values of temperature, pulse, and respiration in the graphic sheet • OSCE

		Assess and record vital signs accurately	○ Assessment of respirations – technique ○ Arterial Oxygen saturation ○ Alterations in respiration • <i>Blood pressure:</i> ○ Definition, Physiology and Regulation, Characteristics, Factors affecting BP ○ Assessment of BP – sites, equipment and technique, Common Errors in BP Assessment ○ Alterations in Blood Pressure Documenting Vital Signs		
VII	3 (T)	Maintain equipment and linen	Equipment and Linen • Types – Disposables and reusable ○ Linen, rubber goods, glassware, metal, plastics, furniture Introduction – Indent, maintenance, Inventory		
VIII	10 (T) 3 (SL)	Describe the basic principles and techniques of infection control and biomedical waste management	Introduction to Infection Control in Clinical setting Infection • Nature of infection • Chain of infection • Types of infection • Stages of infection • Factors increasing susceptibility to infection • Body defenses against infection – Inflammatory response & Immune response • Health care associated infection (Nosocomial infection) Introductory concept of Asepsis – Medical & Surgical asepsis Precautions • Hand Hygiene • (Hand washing and use of hand Rub) • Use of Personal Protective Equipment (PPE) • Standard precautions	• Lecture • Discussion • Demonstration • Observation of autoclaving and other sterilization techniques - Video presentation on medical & surgical asepsis	• Essay • Short answer Objective type

			Biomedical Waste management Types of hospital waste, waste segregation and hazards – Introduction		
IX	15 (T) 15 (SL)	Identify and meet the comfort needs of the patients	Comfort, Rest & Sleep and Pain • Comfort ○ Factors Influencing Comfort ○ Types of beds including latest beds, purposes & bed making ○ Therapeutic positions ○ Comfort devices • Sleep and Rest ○ Physiology of sleep ○ Factors affecting sleep ○ Promoting Rest and sleep ○ Sleep Disorders • Pain (Discomfort) ○ Physiology ○ Common cause of pain ○ Types ○ Assessment – pain scales and narcotic scales • Pharmacological and Non-pharmacological pain relieving measures – Use of narcotics, TENS devices, PCA • Invasive techniques of pain management • Any other newer measures ○ CAM (Complementary & Alternative healing Modalities)	• Lecture • Discussion • Demonstration & Re-demonstration	• Essay • Short answer • Objective type • OSCE
X	5 (T) 3 (SL)	Describe the concept of patient environment	Promoting Safety in Health Care Environment • Physical environment – Temperature, Humidity, Noise, Ventilation, Light, Odor, Pest control • Reduction of Physical hazards – fire, accidents • Fall Risk Assessment • Role of nurse in providing safe and clean environment	• Lecture • Discussion • Demonstration	• Essay • Short answer • Objective type

			• Safety devices – ○ Restraints – Types, Purposes, Indications, Legal Implications and Consent, Application of Restraints- Skill and Practice guidelines Other Safety Devices – Side rails, Grab bars, Ambu alarms, non-skid slippers etc.		
XI	6 (T) 2 (SL)	Explain and perform admission, transfer, and discharge of a patient	Hospital Admission and discharge • Admission to the hospital Unit and preparation of unit ○ Admission bed ○ Admission procedure ○ Medico-legal issues ○ Roles and Responsibilities of the nurse • Discharge from the hospital ○ Types – Planned discharge, LAMA and Abscond, Referrals and transfers ○ Discharge Planning ○ Discharge procedure ○ Medico-legal issues ○ Roles and Responsibilities of the nurse Care of the unit after discharge	• Lecture • Discussion • Demonstration	• Essay • Short answer • Objective type
XII	8 (T) 10 (SL)	Demonstrate skill in caring for patients with restricted mobility	• Principles of body mechanics • Factors affecting Body Alignment and activity • Exercise – Types and benefits • Effects of Immobility • Maintenance of normal Body Alignment and Activity • Alteration in Body Alignment and mobility • Nursing interventions for impaired Body Alignment and Mobility – assessment, types, devices used, method ○ Range of motion exercises ○ Muscle strengthening exercises ○ Maintaining body alignment – positions ○ Moving	• Lecture • Discussion • Demonstration &	• Essay • Short answer • Objective

			○ Lifting ○ Transferring ○ Walking ● Assisting clients with ambulation ● Care of patients with Immobility using Nursing process approach - Care of patients with casts and splints		
XIII	4 (T) 2 (SL)	Describe the principles and practice of patient education	Patient education ● Patient Teaching – Importance, Purposes, Process ● Integrating nursing process in patient teaching	● Discussion ● Role plays	● Essay ● Short answer ● Objective type
XIV	20 (T) 20 (SL)	Explain and apply principles of First Aid during emergencies	First Aid* ● Definition, Basic Principles, Scope & Rules ● First Aid Management ○ Wounds, Hemorrhage & Shock ○ Musculoskeletal Injuries – Fractures, Dislocation, Muscle injuries ○ Transportation of Injured persons ○ Respiratory Emergencies & Basic CPR ○ Unconsciousness ○ Foreign Bodies – Skin, Eye, Ear, Nose, Throat & Stomach ○ Burns & Scalds ○ Poisoning, Bites & Stings ○ Frostbite & Effects of Heat - Community Emergencies	● Lecture ● Discussion ● Demonstration & Re-demonstration ● Module completion ● National Disaster Management Authority (NDMA) ● / Indian Red Cross Society (IRCS) First Aid module	● Essay ● Short answer ● Objective type ● OSCE

N-NF (I) 125 (P)- CLINICAL PRACTICUM

Clinical Practicum: 2 Credits (160 hours), 10 weeks × 16 hours per week

PRACTICE COMPETENCIES: On completion of the clinical practicum, the students will be able to

1. Maintain effective human relations (projecting professional image)
2. Communicate effectively with patient, families and team members
3. Demonstrate skills in techniques of recording and reporting
4. Demonstrate skill in monitoring vital signs
5. Care for patients with altered vital signs
6. Demonstrate skill in implementing standard precautions and use of PPE
7. Demonstrate skill in meeting the comfort needs of the patients
8. Provide safe and clean environment
9. Demonstrate skill in admission, transfer, and discharge of a patient
10. Demonstrate skill in caring for patients with restricted mobility

11. Plan and provide appropriate health teaching following the principles

Acquire skills in assessing and performing First Aid during emergencies

SKILL LAB

Use of Mannequins and Simulators

S.No	Competencies	Mode of Teaching
1.	Therapeutic Communication and Documentation	Role Play
2.	Vital signs	Simulator/Standardized patient
3.	Medical and Surgical Asepsis	Videos/Mannequin
4.	Pain Assessment	Standardized patient
5.	Comfort Devices	Mannequin
6.	Therapeutic Positions	Mannequin
7.	Physical Restraints and Side rails	Mannequin
8.	ROM Exercises	Standardized patient
9.	Ambulation	Standardized patient
10.	Moving and Turning patients in bed	Mannequin

11.	Changing position of helpless patients	Mannequin/Standardized patient
12.	Transferring patients bed to stretcher/wheel chair	Mannequin/Standardized patient
13.	Admission, Transfer, Discharge & Health Teaching	Role Play

CLINICAL POSTINGS –

General Medical/Surgical Wards 10 weeks × 16 hours/week = 160 Hours

Clinical Unit	Duration (in Weeks)	Learning Outcomes	Procedural Competencies/ Clinical Skills (Supervised Clinical Practice)	Clinical Requirements	Assessment Methods
General Medical/Surgical wards	2	Maintain effective human relations (projecting professional image) Communicate effectively with patient, families and team members Demonstrate skills in techniques of recording and reporting	Communication and Nurse patient relationship • Maintaining Communication with patient and family and interpersonal relationship • Documentation and Reporting ○ Documenting patient care and procedures ○ Verbal report ○ Written report		• OSCE

	2	Demonstrate skill in monitoring vital signs Care for patients with altered vital signs Demonstrate skill in implementing standard precautions and use of PPE	<i>Vital signs</i> • Monitor/measure and document vital signs in a graphic sheet ◦ Temperature (oral, tympanic, axillary) ◦ Pulse (Apical and peripheral pulses) ◦ Respiration ◦ Blood pressure ◦ Pulse oximetry • Interpret and report alteration • Cold Applications – Cold Compress, Ice cap, Tepid Sponging • Care of equipment – thermometer, BP apparatus, Stethoscope, Pulse oximeter <i>Infection control in Clinical settings</i> • Hand hygiene • Use of PPE	• Care of patients with alterations in vital signs- 1	• Assessment of clinical skills using checklist • OSCE
	3	Demonstrate skill in meeting the comfort needs of the patients	Comfort, Rest & Sleep, Pain and Promoting Safety in Health Care Environment <i>Comfort, Rest & Sleep</i> • Bed making- ◦ Open ◦ Closed ◦ Occupied ◦ Post-operative ◦ Cardiac bed ◦ Fracture bed • Comfort devices ◦ Pillows ◦ Over bed table/cardiac table ◦ Back rest ◦ Bed Cradle		• Assessment of clinical skills using checklist • OSCE

			• Therapeutic Positions ○ Supine ○ Fowlers (low, semi, high) ○ Lateral ○ Prone ○ Sim's ○ Trendelenburg ○ Dorsal recumbent ○ Lithotomy ○ Knee chest <i>Pain</i> • Pain assessment and provision for comfort <i>Promoting Safety in Health Care Environment</i> • Care of Patient's Unit • Use of Safety devices: ○ Side Rails • Restraints (Physical) • Fall risk assessment and Post Fall Assessment		
	2	Demonstrate skill in admission, transfer, and discharge of a patient	Hospital Admission and discharge, Mobility and Immobility and Patient education <i>Hospital Admission and discharge</i> Perform & Document: • Admission • Transfer - Planned Discharge		• Assessment of clinical skills using checklist • OSCE

		Demonstrate skill in caring for patients with restricted mobility	<i>Mobility and Immobility</i> • Range of Motion Exercises • Assist patient in: Moving	Individual teaching-1	• Assessment of clinical skills using checklist • OSCE
		Plan and provide appropriate health teaching following the principles	○ Turning ○ Logrolling • Changing position of helpless patient • Transferring (Bed to and from chair/wheelchair/ stretcher) <i>Patient education</i>		•
	1	Demonstrate skills in assessing and performing First Aid during emergencies	First aid and Emergencies • Bandaging Techniques ○ Basic Bandages: ▪ Circular ▪ Spiral ▪ Reverse-Spiral ▪ Recurrent ▪ Figure of Eight ○ Special Bandages: ▪ Caplin ▪ Eye/Ear Bandage ▪ Jaw Bandage ▪ Shoulder Spica ▪ Thumb spica ▪ Triangular Bandage/ Sling (Head & limbs) ○ Binders	Module completion National Disaster Management Authority (NDMA) First Aid module (To complete it in clinicals if not completed during lab)	• Assessment of clinical skills using checklist • OSCE (first aid competencies)

BIOC 135: APPLIED BIOCHEMISTRY

PLACEMENT: II SEMESTER

THEORY: 2 credits (40 hours) (includes lab hours also)

DESCRIPTION: The course is designed to assist the students to acquire knowledge of the normal biochemical composition and functioning of human body, its alterations in disease conditions and to apply this knowledge in the practice of nursing.

COMPETENCIES: On completion of the course, the students will 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.
7. Explain different function tests and interpret the findings.
8. Illustrate the immunochemistry.

COURSEOUTLINE

T–Theory

Unit	Time(Hrs)	Learning Outcomes	Content	Teaching/Learning Activities	Assessment Methods
I	8 (T)	Describe the metabolism of carbohydrates and its alterations	Carbohydrates • Digestion, absorption and metabolism of carbohydrates and related disorders • Regulation of blood glucose • Diabetes Mellitus – type 1 and type 2, symptoms, complications & management in brief • Investigations of Diabetes Mellitus ○ OGTT – Indications, Procedure, Interpretation and types of GTT curve ○ Mini GTT, extended GTT, GCT, IV GTT ○ HbA1c (Only definition) • Hypoglycemia – Definition & causes	• Lecture cum Discussion • Explain using charts and slides • Demonstration of laboratory tests	• Essay • Short answer • Very short answer

II	8 (T)	Explain the metabolism of lipids and its alterations	Lipids • Fatty acids – Definition, classification • Definition & Clinical significance of MUFA & PUFA, Essential fatty acids, Trans fatty acids • Digestion, absorption & metabolism of lipids & related disorders • Compounds formed from cholesterol • Ketone bodies (name, types & significance only) • Lipoproteins – types & functions (metabolism not required) • Lipid profile • Atherosclerosis (in brief)	• Lecture cum Discussion • Explain using charts and slides • Demonstration of laboratory tests	• Essay • Short answer • Very short answer
III	9 (T)	Explain the metabolism of amino acids and proteins	Proteins • Classification of amino acids based on nutrition, metabolic rate with examples • Digestion, absorption & metabolism of protein & related disorders • Biologically important compounds synthesized from various amino acids (only names) • In born errors of amino acid metabolism – only aromatic amino acids (in brief) • Plasma protein – types, function & normal values • Causes of proteinuria, hypoproteinemia, hyper-gamma globulinemia • Principle of electrophoresis, normal & abnormal electrophoretic patterns (in	• Lecture cum Discussion • Explain using charts, models and slides • Lecture cum Discussion Explain using charts and slides	• Essay • Short answer • Very short answer
IV	4 (T)	Explain clinical enzymology in various disease conditions			

Unit	Time(Hrs)	Learning Outcomes	Content	Teaching/Learning Activities	Assessment Methods
			brief)		
IV	4 (T)	Explain clinical enzymology in various disease conditions	Clinical Enzymology • Isoenzymes – Definition & properties • Enzymes of diagnostic importance in ○ Liver Diseases – ALT, AST, ALP, GGT ○ Myocardial infarction – CK, cardiac troponins, AST, LDH ○ Muscle diseases – CK, Aldolase ○ Bone diseases – ALP ○ Prostate cancer – PSA, ACP	• Lecture cum Discussion • Explain using charts and slides	• Essay • Short answer • Very short answer
V	3 (T)	Explain acid base balance, imbalance and its clinical significance	Acid base maintenance • pH – definition, normal value • Regulation of blood pH – blood buffer, respiratory & renal • ABG – normal values • Acid base disorders – types, definition & causes	• Lecture cum Discussion • Explain using charts and slides	• Short answer • Very short answer
VI	2 (T)	Describe the metabolism of hemoglobin and its clinical significance	Heme catabolism • Heme degradation pathway • Jaundice – type, causes, urine & blood investigations (van den berg test)	• Lecture cum Discussion • Explain using charts and slides	• Short answer • Very short answer
VII	3 (T)	Explain different function tests and interpret the findings	Organ function tests (biochemical parameters & normal values only) • Renal • Liver • Thyroid	• Lecture cum Discussion • Visit to Lab • Explain using charts and slides	• Short answer • Very short answer

VIII	3 (T)	Illustrate the immunochemistry	Immunochemistry • Structure & functions of immunoglobulin • Investigations & interpretation – ELISA	• Lecture cum Discussion • Explain using charts and slides • Demonstration of laboratory tests	• Short answer • Very short answer
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Note: Few lab hours can be planned for observation and visits (Less than 1 credit, lab hours are not specified separately).

NUTR 140- APPLIED NUTRITION AND DIETETICS

PLACEMENT: II SEMESTER

THEORY: 3 credits (60 hours)

Theory : 45 hours

Lab : 15 hours

DESCRIPTION: The course is designed to assist the students to acquire basic knowledge and understanding of the principles of Nutrition and Dietetics and apply this knowledge in the practice of Nursing.

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

1. Identify the importance of nutrition in health and wellness.
2. Apply nutrient and dietary modifications in caring patients.
3. Explain the principles and practices of Nutrition and Dietetics.
4. Identify nutritional needs of different age groups and plan a balanced diet for them.
5. Identify the dietary principles for different diseases.
6. Plan therapeutic diet for patients suffering from various disease conditions.
7. Prepare meals using different methods and cookery rules.

COURSEOUTLINE

T–Theory

Unit	Time(Hrs)	Learning Outcomes	Content	Teaching/Learning Activities	Assessment Methods
I	2 (T)	Define nutrition and its relationship to Health	Introduction to Nutrition <i>Concepts</i> • Definition of Nutrition & Health • Malnutrition – Under Nutrition & Over Nutrition • Role of Nutrition in maintaining health • Factors affecting food and nutrition <i>Nutrients</i> • Classification • Macro & Micronutrients • Organic & Inorganic • Energy Yielding & Non-Energy Yielding	• Lecture cum Discussion • Charts/Slides	• Essay • Short answer • Very short answer

			Food • Classification – Food groups • Origin		
II	3 (T)	Describe the classification, functions, sources and recommended daily allowances (RDA) of carbohydrates Explain BMR and factors affecting BMR	Carbohydrates • Composition – Starches, sugar and cellulose • Recommended Daily Allowance (RDA) • Dietary sources • Functions Energy • Unit of energy – Kcal • Basal Metabolic Rate (BMR) • Factors affecting BMR	• Lecture cum Discussion • Charts/Slides • Models • Display of food items	• Essay • Short answer • Very short answer
III	3 (T)	Describe the classification, Functions, sources and RDA of proteins.	Proteins • Composition • Eight essential amino acids • Functions • Dietary sources • Protein requirements – RDA	• Lecture cum Discussion • Charts/Slides • Models • Display of food items	• Essay • Short answer • Very short
IV	2 (T)	Describe the classification, Functions, sources and RDA of fats	Fats • Classification – Saturated & unsaturated • Calorie value • Functions • Dietary sources of fats and fatty acids Fat requirements – RDA	• Lecture cum Discussion • Charts/Slides • Models • Display of food items	• Essay • Short answer • Very short answer
V	3 (T)	Describe the classification, functions, sources and RDA of vitamins	Vitamins • Classification – fat soluble & water soluble • Fat soluble – Vitamins A, D, E, and K • Water soluble – Thiamine	• Lecture cum Discussion • Charts/Slides • Models • Display of food items	• Essay • Short answer • Very short answer

			(vitamin B1), Riboflavin (vitamin B2), Nicotinic acid, Pyridoxine (vitamin B6), Pantothenic acid, Folic acid, Vitamin B12, Ascorbic acid (vitamin C) Functions, Dietary Sources & Requirements – RDA of every vitamin		
VI	3 (T)	Describe the classification, functions, sources and RDA of minerals	Minerals • Classification – Major minerals (Calcium, phosphorus, sodium, potassium and magnesium) and Trace elements • Functions • Dietary Sources Requirements – RDA	• Lecture cum Discussion • Charts/Slides • Models • Display of food items	• Short answer • Very short answer
VII	7 (T) 8 (L)	Describe and plan balanced diet for different age groups, pregnancy, and lactation	Balanced diet • Definition, principles, steps • Food guides – Basic Four Food Groups • RDA – Definition, limitations, uses • Food Exchange System • Calculation of nutritive value of foods • Dietary fibre Nutrition across life cycle • Meal planning/Menu planning – Definition, principles, steps • Infant and Young Child Feeding (IYCF) guidelines – breast feeding, infant foods Diet plan for different age groups – Children, adolescents and elderly • Diet in pregnancy – nutritional requirements and balanced diet plan • Anemia in pregnancy – diagnosis, diet for anemic pregnant women, iron & folic acid supplementation and counseling Nutrition in lactation – nutritional requirements, diet for lactating	• Lecture cum Discussion • Meal planning • Lab session on ◦ Preparation of balanced diet for different categories • Low cost nutritious dishes	• Short answer • Very short answer

			mothers, complementary feeding/ weaning		
VII I	6 (T)	Classify and describe the common nutritional deficiency disorders and identify nurses' role in assessment, management and prevention	Nutritional deficiency disorders • Protein energy malnutrition – magnitude of the problem, causes, classification, signs & symptoms, Severe acute malnutrition (SAM), management & prevention and nurses' role • Childhood obesity – signs & symptoms, assessment, management & prevention and nurses' role • Vitamin deficiency disorders – vitamin A, B, C & D deficiency disorders – causes, signs & symptoms, management & prevention and nurses' role Mineral deficiency diseases – iron, iodine and calcium deficiencies – causes, signs & symptoms, management & prevention and nurses' role	• Lecture cum Discussion • Charts/Slides • Models	• Essay • Short answer • Very short answer
IX	4 (T) 7 (L)	Principles of diets in various diseases	Therapeutic diets • Definition, Objectives, Principles • Modifications – Consistency, Nutrients, • Feeding techniques. Diet in Diseases – Obesity, Diabetes Mellitus, CVD, Underweight, Renal diseases, Hepatic disorders Constipation, Diarrhea, Pre and Post-operative period	• Lecture cum Discussion • Meal planning • Lab session on preparation of therapeutic diets	• Essay • Short answer • Very short answer
XI	4 (T)	Explain the methods of nutritional assessment and nutrition education	Nutrition assessment and nutrition education • Objectives of nutritional assessment • Methods of assessment – clinical examination, anthropometry, laboratory & biochemical assessment, assessment of dietary intake including Food frequency questionnaire (FFQ) method	• Lecture cum Discussion • Demonstration • Writing nutritional assessment report	• Essay • Short answer • Evaluation of Nutritional assessment report

			Nutrition education – purposes, principles and methods		
XII	3 (T)	Describe nutritional problems in India and nutritional programs	National Nutritional Programs and role of nurse • Nutritional problems in India • National nutritional policy • <i>National nutritional programs</i> – Vitamin A Supplementation, Anemia Mukh Bharat Program, Integrated Child Development Services (ICDS), Mid-day Meal Scheme (MDMS), National Iodine Deficiency Disorders Control Program (NIDDCP), Weekly Iron Folic Acid Supplementation (WIFS) and others as introduced Role of nurse in every program	• Lecture cum Discussion	• Essay • Short answer • Very short answer
XIII	2 (T)	Discuss the importance of food hygiene and food safety Explain the Acts related to food safety	Food safety • Definition, Food safety considerations & measures • Food safety regulatory measures in India – Relevant Acts • Five keys to safer food • Food storage, food handling and cooking • General principles of food storage of food items (ex. milk, meat) • Role of food handlers in food borne diseases Essential steps in safe cooking practices	• Guided reading on related acts	• Quiz • Short answer

Food born diseases and food poisoning are dealt in Community Health Nursing I.

HNIT 145- HEALTH/NURSING INFORMATICS AND TECHNOLOGY

PLACEMENT: II SEMESTER

THEORY: 2 Credits (40 hours)

PRACTICAL/LAB: 1 Credit (40 hours)

DESCRIPTION: This course is designed to equip novice nursing students with knowledge and skills necessary to deliver efficient informatics-led health care services.

COMPETENCIES: On completion of the course, the students will 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.
7. Apply the knowledge of information and communication technology in public health promotion.
8. Utilize the functionalities of Nursing Information System (NIS) system in nursing.
9. Demonstrate the skills of using data in management of health care.
10. Apply the knowledge of the principles of digital ethical and legal issues in clinical practice.
11. Utilize evidence-based practices in informatics and technology for providing quality patient care.
12. Update and utilize evidence-based practices in nursing education, administration, and practice.

COURSE OUTLINE

T – Theory, P/L – Lab

Unit	Time (Hrs)		Learning Outcomes	Content	Teaching/ Learning Activities	Assessment Methods
	T	P/L				
I	10	15	Describe the importance of computer and technology in patient care and nursing practice	Introduction to computer applications for patient care delivery system and nursing practice • Use of computers in teaching, learning, research and nursing practice	• Lecture • Discussion • Practice session • Supervised clinical practice on EHR use • Participate in data analysis using statistical package with statistician	(T) • Short answer • Objective type • Visit reports • Assessment of assignments
			Demonstrate the use of computer and technology in patient care, nursing education, practice, administration and research.	• Windows, MS office: Word, Excel, Power Point • Internet • Literature search • Statistical packages • Hospital management information system	• Visit to hospitals with different hospital management systems	(P) • Assessment of skills using checklist
II	4	5	Describe the principles of health informatics Explain the ways data, knowledge and information can be used for effective healthcare	<u>Principles of Health Informatics</u> • Health informatics – needs, objectives and limitations • Use of data, information and knowledge for more effective healthcare and better health	• Lecture • Discussion • Practical session • Work in groups with health informatics team in a hospital to extract nursing data and prepare a report	(T) • Essay • Short answer • Objective type questions • Assessment of report

III	3	5	Describe the concepts of information system in health Demonstrate the use of health information system in hospital setting	<u>Information Systems in Healthcare</u> • Introduction to the role and architecture of information systems in modern healthcare environments • Clinical Information System (CIS)/Hospital information System (HIS)	• Lecture • Discussion • Demonstration • Practical session • Work in groups with nurse leaders to understand the hospital information system	(T) • Essay • Short answer • Objective type
IV	4	4	Explain the use of electronic health records in nursing practice Describe the latest trend in electronic health records standards and interoperability	<u>Shared Care & Electronic Health Records</u> • Challenges of capturing rich patient histories in a computable form • Latest global developments and standards to enable lifelong electronic health records to be integrated from disparate systems.	• Lecture • Discussion • Practice on Simulated EHR system • Practical session • Visit to health informatics department of a hospital to understand the use of EHR in nursing practice • Prepare a report on current EHR standards in Indian setting	(T) • Essay • Short answer • Objective type (P) • Assessment of skills using checklist
V	3		Describe the advantages and limitations of health informatics in maintaining patient safety and risk management	<u>Patient Safety & Clinical Risk</u> • Relationship between patient safety and informatics Function and application of the risk management process	• Lecture • Discussion	(T) • Essay • Short answer • Objective type

VI	3	6	Explain the importance of knowledge management Describe the standardized languages used in health informatics	<u>Clinical Knowledge & Decision Making</u> • Role of knowledge management in improving decision-making in both the clinical and policy contexts • Systematized Nomenclature of Medicine, Clinical Terms, SNOMED CT to ICD-10-CM Map, standardized nursing terminologies (NANDA, NOC), Omaha system.	• Lecture • Discussion • Demonstration • Practical session • Work in groups to prepare a report on standardized languages used in health informatics. • Visit health informatics department to understand the standardized languages used in hospital setting	(T) • Essay • Short answer Objective type
VII	3		Explain the use of information and communication technology in patient care Explain the application of public health informatics	<u>eHealth: Patients and the Internet</u> • Use of information and communication technology to improve or enable personal and public healthcare Introduction to public health informatics and role of nurses	• Lecture • Discussion • Demonstration	• Essay • Short answer • Objective type Practical exam
VIII	3	5	Describe the functions of nursing information system Explain the use of healthcare data in management of health care organization	<u>Using Information in Healthcare Management</u> • Components of Nursing Information system(NIS) Evaluation, analysis and presentation of healthcare data to inform decisions in the management of health-care organizations	• Lecture • Discussion • Demonstration on simulated NIS software • Visit to health informatics department of the hospital to understand use of healthcare data in decision making	(T) • Essay • Short answer Objective type

IX	4		Describe the ethical and legal issues in healthcare informatics Explains the ethical and legal issues	<u>Information Law & Governance in Clinical Practice</u> • Ethical-legal issues pertaining to healthcare information in contemporary clinical practice Ethical-legal issues related to	• Lecture • Discussion • Case discussion • Role play	(T) • Essay • Short answer Objective type
X	3		Explain the relevance of evidence-based practices in providing quality healthcare	<u>Healthcare Quality & Evidence Based Practice</u> Use of scientific evidence in improving the quality of healthcare and technical and professional informatics standards	• Lecture • Discussion • Case study	(T) • Essay • Short answer Objective type

SKILLS

- Utilize computer in improving various aspects of nursing practice.
- Use technology in patient care and professional advancement.
- Use data in professional development and efficient patient care.
- Use information system in providing quality patient care.
- Use the information system to extract nursing

N-NF (II) 125- NURSING FOUNDATION – II
(including Health Assessment Module)

PLACEMENT: II SEMESTER

THEORY: 6 Credits (120 hours)

PRACTICUM: Skill Lab: 3 Credits (120 hours), Clinical: 4 Credits (320 hours)

DESCRIPTION: This course is designed to help novice nursing students develop knowledge and competencies required to provide evidence-based, comprehensive basic nursing care for adult patients, using nursing process approach.

COMPETENCIES: On completion of the course, the students will 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. Assess the Nutritional needs of patients and provide relevant care under supervision
4. Identify and meet the hygienic needs of patients
5. Identify and meet the elimination needs of patient
6. Interpret findings of specimen testing applying the knowledge of normal values
7. Promote oxygenation based on identified oxygenation needs of patients under supervision
8. Review the concept of fluid, electrolyte balance integrating the knowledge of applied physiology
9. Apply the knowledge of the principles, routes, effects of administration of medications in administering medication
10. Calculate conversions of drugs and dosages within and between systems of measurements
11. Demonstrate knowledge and understanding in caring for patients with altered functioning of sense organs and unconsciousness
12. Explain loss, death and grief
13. Describe sexual development and sexuality
14. Identify stressors and stress adaptation modes
15. Integrate the knowledge of culture and cultural differences in meeting the spiritual needs
16. Explain the introductory concepts relevant to models of health and illness in patient care

***Mandatory Module used in Teaching/Learning:**

Health Assessment Module: 40 hours

COURSE OUTLINE
T–Theory, SL–Skill Lab

Unit	Time (Hrs)	Learning Outcomes	Content	Teaching/Learning Activities	Assessment Methods
I	20 (T) 20 (SL)	Describe the purpose and process of health assessment and perform assessment under supervised clinical practice	Health Assessment • Interview techniques • Observation techniques • Purposes of health assessment • Process of Health assessment - o Health history - o Physical examination: ▪ Methods: Inspection, Palpation, Percussion, Auscultation, Olfaction ▪ Preparation for examination: patient and unit ▪ General assessment ▪ Assessment of each body system ▪ Documenting health assessment findings	• Modular Learning • *Health Assessment Module • Lecture cum Discussion • Demonstration	• Essay • Short answer • Objective type • OSCE
II	13 (T) 8 (SL)	Describe assessment, planning, implementation and evaluation of nursing care using Nursing process	The Nursing Process • Critical Thinking Competencies, Attitudes for Critical Thinking, Levels of critical thinking in Nursing • Nursing Process Overview	• Lecture • Discussion • Demonstration • Supervised Clinical Practice	• Essay • Short answer • Objective type • Evaluation of care plan

Unit	Time(Hrs)	LearningOutcomes	Content	Teaching/LearningActivities	Assessment Methods
		approach	- o Assessment ▪ Collection of Data: Types, Sources, Methods ▪ Organizing Data ▪ Validating Data ▪ Documenting Data - o Nursing Diagnosis ▪ Identification of client problems, risks and strengths ▪ Nursing diagnosis statement – parts, Types, Formulating, Guidelines for formulating Nursing Diagnosis ▪ NANDA approved diagnoses ▪ Difference between medical and nursing diagnosis - o Planning ▪ Types of planning ▪ Establishing Priorities ▪ Establishing Goals and Expected Outcomes – Purposes, types, guidelines, Components of goals and outcome statements ▪ Types of Nursing Interventions, Selecting interventions: Protocols and Standing Orders ▪ Introduction to Nursing Intervention Classification and Nursing Outcome Classification ▪ Guidelines for writing care plan - o Implementation ▪ Process of Implementing the plan of care ▪ Types of care – Direct		

			and Indirect ○ Evaluation ▪ Evaluation Process, Documentation and Reporting		
III	5 (T) 5 (SL)	Identify and meet the Nutritional needs of patients	Nutritional needs Importance Factors affecting nutritional needs Assessment of nutritional status <i>Review:</i> special diets – Solid, Liquid, Soft <i>Review</i> on therapeutic diets Care of patient with Dysphagia, Anorexia, Nausea, Vomiting Meeting Nutritional needs: Principles, equipment, procedure, indications • Oral • Enteral: Nasogastric/ Orogastric • Introduction to other enteral feeds – types, indications, Gastrostomy, Jejunostomy Parenteral – TPN (Total Parenteral Nutrition)	• Lecture • Discussion • Demonstration • Exercise • Supervised Clinical practice	• Essay • Short answer • Objective type • Evaluation of nutritional assessment & diet planning
IV	5 (T) 15 (SL)	Identify and meet the hygienic needs of patients	Hygiene • Factors Influencing Hygienic Practice • Hygienic care: Indications and purposes, effects of neglected care ○ Care of the Skin – (Bath, feet and nail, Hair Care) ○ Care of pressure points ○ Assessment of Pressure Ulcers using Braden Scale and Norton Scale ○ Pressure ulcers – causes, stages and manifestations, care and prevention ○ Perineal care/Meatal care Oral care, Care of Eyes, Ears and Nose including assistive devices	• Lecture • Discussion • Demonstration	• Essay • Short answer • Objective type • OSCE

			(eye glasses, contact lens, dentures, hearing aid)		
V	10 (T) 10 (SL)	Identify and meet the elimination needs of patient	Elimination needs - Urinary Elimination - Review of Physiology of Urine Elimination, Composition and characteristics of urine - Factors Influencing Urination - Alteration in Urinary Elimination - Facilitating urine elimination: assessment, types, equipment, procedures and special considerations - Providing urinal/bed pan - Care of patients with - Condom drainage - Intermittent Catheterization - Indwelling Urinary catheter and urinary drainage - Urinary diversions - Bladder irrigation - Bowel Elimination - Review of Physiology of Bowel Elimination, Composition and characteristics of feces - Factors affecting Bowel elimination - Alteration in Bowel Elimination - Facilitating bowel elimination: Assessment, equipment, procedures - Enemas - Suppository - Bowel wash - Digital Evacuation of impacted feces - Care of patients with Ostomies (Bowel Diversion Procedures)	- Lecture - Discussion - Demonstration	- Essay - Short answer - Objective type - OSCE

VI	3 (T) 4 (SL)	Explain various types of specimens and identify normal values of tests Develop skill in specimen collection, handling and transport	Diagnostic testing - Phases of diagnostic testing (pre-test, intra-test & post-test) in Common investigations and clinical implications - Complete Blood Count - Serum Electrolytes - LFT - Lipid/Lipoprotein profile - Serum Glucose – AC, PC, HbA1c - Monitoring Capillary Blood Glucose (Glucometer Random Blood Sugar – GRBS) - Stool Routine Examination - Urine Testing – Albumin, Acetone, pH, Specific Gravity - Urine Culture, Routine, Timed Urine Specimen - Sputum culture Overview of Radiologic & Endoscopic Procedures	- Lecture - Discussion - Demonstration	- Essay - Short answer - Objective type
VII	11 (T) 10 (SL)	Assess patients for oxygenation needs, promote oxygenation and provide care during oxygen therapy	Oxygenation needs - Review of Cardiovascular and Respiratory Physiology - Factors affecting respiratory functioning - Alterations in Respiratory Functioning - Conditions affecting - Airway - Movement of air	- Lecture - Discussion - Demonstration & Re-demonstration	- Essay - Short answer - Objective type
VIII	5 (T) 10 (SL)	Describe the concept of fluid, electrolyte balance	Fluid, Electrolyte, and Acid – Base Balances - Review of Physiological Regulation of Fluid, Electrolyte and Acid-Base Balances - Factors Affecting Fluid,	- Lecture - Discussion - Demonstration	- Essay - Short answer - Objective type - Problem solving – calculations

			Electrolyte and Acid-Base Balances - Disturbances in fluid volume: - Deficit - Hypovolemia - Dehydration - Excess - Fluid overload - Edema - Electrolyte imbalances (hypo and hyper) - Acid-base imbalances - Metabolic – acidosis & alkalosis - Respiratory – acidosis & alkalosis Intravenous therapy - Peripheral venipuncture sites - Types of IV fluids - Calculation for making IV fluid plan - Complications of IV fluid therapy - Measuring fluid intake and output - Administering Blood and Blood components - Restricting fluid intake Enhancing Fluid intake		
IX	20 (T) 22 (SL)	Explain the principles, routes, effects of administration of medications	Administration of Medications - Introduction – Definition of Medication, Administration of Medication, Drug Nomenclature, Effects of Drugs, Forms of Medications, Purposes, Pharmacodynamics and Pharmacokinetics - Factors influencing Medication Action - Medication orders and	- Lecture - Discussion - Demonstration & Re-demonstration	- Essay - Short answer - Objective type - OSCE

		Calculate conversions of drugs and dosages within and between systems of measurements Administer oral and topical medication and document accurately under supervision	Prescriptions • Systems of measurement • Medication dose calculation • Principles, 10 rights of Medication Administration • Errors in Medication administration • Routes of administration • Storage and maintenance of drugs and Nurses responsibility • Terminologies and abbreviations used in prescriptions and medications orders • Developmental considerations • Oral, Sublingual and Buccal routes: Equipment, procedure • Introduction to Parenteral Administration of Drugs – Intramuscular, Intravenous, Subcutaneous, Intradermal: Location of site, Advantages and disadvantages of the specific sites, Indication and contraindications for the different routes and sites. • Equipment – Syringes & needles, cannulas, Infusion sets – parts, types, sizes • Types of vials and ampoules, Preparing Injectable medicines from vials and ampoules • Care of equipment: decontamination and disposal of syringes, needles, infusion sets • Prevention of Needle-Stick Injuries • Topical Administration: Types, purposes, site, equipment, procedure • Application to skin & mucous membrane • Direct application of liquids, Gargle and swabbing the throat • Insertion of Drug into body cavity: Suppository/ medicated packing in rectum/vagina		
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			○ Instillations: Ear, Eye, Nasal, Bladder, and Rectal ○ Irrigations: Eye, Ear, Bladder, Vaginal and Rectal ○ Spraying: Nose and throat ○ Inhalation: Nasal, oral, endotracheal/tracheal (steam, oxygen and medications) – purposes, types, equipment, procedure, recording and reporting of medications administered Other Parenteral Routes: Meaning of epidural, intrathecal, intraosseous, intraperitoneal, intra-pleural, intra-arterial		
X	5 (T) 6 (SL)	Provide care to patients with altered functioning of sense organs and unconsciousness in supervised clinical practice	Sensory needs • Introduction • Components of sensory experience – Reception, Perception & Reaction • Arousal Mechanism • Factors affecting sensory function • Assessment of Sensory alterations – sensory deficit, deprivation, overload & sensory poverty • Management ○ Promoting meaningful communication (patients with Aphasia, artificial airway & Visual and Hearing impairment) Care of Unconscious Patients • Unconsciousness: Definition, causes & risk factors, pathophysiology, stages of Unconsciousness, Clinical Manifestations Assessment and nursing management of patient with unconsciousness, complications	• Lecture • Discussion • Demonstration	• Essay • Short answer • Objective type
XI	4 (T) 6 (SL)	Explain loss, death and grief	Care of Terminally ill, death and dying • Loss – Types	• Lecture • Discussion • Case discussions	• Essay • Short answer • Objective type

			- Grief, Bereavement & Mourning - Types of Grief responses - Manifestations of Grief - Factors influencing Loss & Grief Responses - Theories of Grief & Loss – Kubler Ross 5 Stages of Dying - The R Process model (Rando's) - Death – Definition, Meaning, Types (Brain & Circulatory Deaths) - Signs of Impending Death - Dying patient's Bill of Rights - Care of Dying Patient - Physiological changes occurring after Death - Death Declaration, Certification - Autopsy - Embalming - Last office/Death Care - Counseling & supporting grieving relatives - Placing body in the Mortuary - Releasing body from Mortuary Overview – Medico-legal Cases, Advance directives, DNI/DNR, Organ Donation, Euthanasia	Death care/last office	
			PSYCHOSOCIAL NEEDS (A-D)	•	•
XII	3 (T)	Develop basic understanding of self-concept	A. Self-concept - Introduction - Components (Personal Identity, Body Image, Role Performance, Self Esteem) - Factors affecting Self Concept Nursing Management	- Lecture - Discussion - Demonstration - Case Discussion/ Role play	- Essay - Short answer - Objective type
XIII	2 (T)	Describe sexual	B. Sexuality Sexual development throughout	- Lecture - Discussion	- Essay - Short answer

		development and sexuality	life • Sexual health • Sexual orientation Factors affecting sexuality • Prevention of STIs, unwanted pregnancy, avoiding sexual harassment and abuse Dealing with inappropriate sexual behavior • Prevention of STIs, unwanted pregnancy, avoiding sexual harassment and abuse • Dealing with inappropriate sexual behavior		• Objective type
XIV	2 (T) 4 (SL)	Describe stress and adaptation	C. Stress and Adaptation – Introductory concepts • Introduction • Sources, Effects, Indicators & Types of Stress • Types of stressors • Stress Adaptation – General Adaptation Syndrome (GAS), Local Adaptation Syndrome (LAS) • Manifestation of stress – Physical & psychological • Coping strategies/ Mechanisms • Stress Management ○ Assist with coping and adaptation ○ Creating therapeutic environment Recreational and diversion therapies	• Lecture • Discussion	• Essay • Short answer • Objective type
XVI	6 (T)	Explain the significance of nursing theories	Nursing Theories: Introduction • Meaning & Definition, Purposes, Types of theories with examples, Overview of selected nursing theories – Nightingale, Orem, Roy Use of theories in nursing practice	• Lecture • Discussion	• Essay • Short answer • Objective type

N-NF (II) 125 (P)- CLINICAL PRACTICUM

Clinical: 4 Credits (320 hours)

PRACTICE COMPETENCIES: On completion of the course, the student will be able to

1. Perform health assessment of each body system
2. Develop skills in assessment, planning, implementation and evaluation of nursing care using Nursing process approach
3. Identify and meet the Nutritional needs of patients
4. Implement basic nursing techniques in meeting hygienic needs of patients
5. Plan and Implement care to meet the elimination needs of patient
6. Develop skills in instructing and collecting samples for investigation.
7. Perform simple lab tests and analyze & interpret common diagnostic values
8. Identify patients with impaired oxygenation and demonstrate skill in caring for patients with impaired oxygenation
9. Identify and demonstrate skill in caring for patients with fluid, electrolyte and acid – base imbalances
10. Assess, plan, implement & evaluate the basic care needs of patients with altered functioning of sense organs and unconsciousness
11. Care for terminally ill and dying patients

SKILL LAB

Use of Mannequins and Simulators

S.No.	Competencies	Mode of Teaching
1.	Health Assessment	Standardized Patient
2.	Nutritional Assessment	Standardized Patient
3.	Sponge bath, oral hygiene, perineal care	Mannequin
4.	Nasogastric tube feeding	Trainer/ Simulator
5.	Providing bed pan & urinal	Mannequin
6.	Catheter care	Catheterization Trainer

7.	Bowel wash, enema, insertion of suppository	Simulator/ Mannequin
8.	Oxygen administration – face mask, venture mask, nasal prongs	Mannequin
9.	Administration of medication through Parenteral route – IM, SC, ID, IV	IM injection trainer, ID injection trainer, IV arm (Trainer)
10.	Last Office	Mannequin

CLINICAL POSTINGS – General

Medical/Surgical Wards (16 weeks ×
20 hours per week = 320 hours)

Clinical Unit	Duration (Weeks)	Learning Outcomes	Procedural Competencies/ Clinical Skills (Supervised Clinical Practice)	Clinical Requirements	Assessment Methods
General Medical/ Surgical wards	3	Perform health assessment of each body system	Health Assessment - Nursing/Health history taking - Perform physical examination: - o General - o Body systems - Use various methods of physical examination – Inspection, Palpation, Percussion, Auscultation, Olfaction - Identification of system wise deviations Documentation of findings	- History Taking – 2 - Physical examination – 2	- Assessment of clinical skills using checklist - OSCE
	1	Develop skills in assessment, planning, implementation and evaluation of	The Nursing Process Prepare Nursing care plan for the patient based on the given case scenario	Nursing process – 1	Evaluation of Nursing process with criteria

		Develop skills in instructing and collecting samples for investigation.			
		Perform simple lab tests and analyze & interpret common diagnostic values	• Specimen Collection - o Urine routine and culture - o Stool routine - o Sputum Culture • Perform simple Lab Tests using reagent strips - o Urine – Glucose, Albumin, Acetone, pH, Specific gravity Blood – GRBS Monitoring	•	•
	3	Identify patients with impaired oxygenation and demonstrate skill in caring for patients with impaired oxygenation	Oxygenation needs, Fluid, Electrolyte, and Acid – Base Balances <i>Oxygenation needs</i> • Oxygen administration methods - o Nasal Prongs - o Face Mask/Venturi Mask • Steam inhalation • Chest Physiotherapy • Deep Breathing & Coughing Exercises • Oral Suctioning <i>Fluid, Electrolyte, and Acid –</i> <i>Base Balances</i> • Maintaining intake output chart • Identify & report complications of IV therapy • Observe Blood & Blood Component	•	• Assessment of clinical skills using checklist • OSCE • Assessment of clinical skills using checklist • OSCE

		Identify and demonstrate skill in caring for patients with fluid, electrolyte and acid – base imbalances	therapy Identify & Report Complications of Blood & Blood Component therapy		
	3	Explain the principles, routes, effects of administration of medications Calculate conversions of drugs and dosages within and between systems of Measurements Administer drugs by the following routes- Oral, Intradermal,	Administration of Medications - Calculate Drug Dosages - Preparation of lotions & solutions - Administer Medications - Oral - Topical - Inhalations - Parenteral - Intradermal - Subcutaneous	•	- Assessment of clinical skills using checklist - OSCE
		Subcutaneous, Intramuscular, Intra Venous Topical, inhalation	-Intramuscular - Instillations - Eye, Ear, Nose –instillation of medicated drops, nasal sprays, irrigations	•	•
	2	Assess, plan, implement & evaluate the basic care needs of patients with altered functioning of sense organs and unconsciousness	Sensory Needs and Care of Unconscious patients, Care of Terminally ill, death and dying <i>Sensory Needs and Care of Unconscious patients</i> Assessment of Level of Consciousness using Glasgow Coma Scale	Nursing rounds on care of patient with altered sensorium	- Assessment of clinical skills using checklist - OSCE

		Care for terminally ill and dying patients	<i>Terminally ill, death and dying</i> ▪ Death Care		• Assessment of clinical skills using checklist
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SNSA1117- MIDWIFERY AND OBSTETRICAL NURSING

Placement: Fourth year

**Duration: Theory – 90 hours
Practical – 180 hours**

Course Description: This course is designed for the students to appreciate the concepts and principles of midwifery and obstetrical nursing. It helps them to acquire knowledge and skills in rendering nursing care to normal and high risk pregnant woman during antenatal, natal and post natal periods in hospitals and community settings. It also helps to develop skills in managing normal and high risk neonates and participate in family welfare programme.

The learning objectives are:

- To recognize the trends and issues in midwifery and obstetrical nursing
- The anatomy and physiology of female reproductive system
- The diagnosis and management of women during antenatal period
- The physiology and stages of labour
- The management of women during intranatal period
- The physiology of puerperium
- The management of women during post-natal period
- The assessment and management of normal neonate
- The management of women with high risk pregnancy
- The management of abnormal labour and obstetrical emergencies
- Management of post natal complications
- To identify the high risk neonates and their nursing management
- The indication, dosage, action, side effects and nurses responsibilities in the administration of drugs used for mothers
- To appreciate the importance of family welfare programme
- The methods of contraception and role of nurse in family welfare programme.

Unit I : **Introduction to midwifery and obstetrical nursing**

- Introduction to concepts to midwifery and obstetrical nursing
- Trends in midwifery and obstetrical nursing
 - Historical perspectives and current trends
 - Legal and ethical aspects
 - Pre – conception care and preparing for parenthood
 - Role of nurse in midwifery and obstetrical care
 - National policy and legislation in relation to maternal health and welfare
 - Maternal, morbidity, mortality and fertility rates
 - Perinatal, morbidity and mortality rates

Unit II: **Review of anatomy and physiology of female reproductive system and foetal development**

- Female pelvis – general description of the bones joints, ligaments, planes of the pelvis diameters of the true pelvis , important landmarks, variations in pelvis shape
- Female organs of reproduction – external genitalia, internal genital organs and their anatomical relations, musculature – blood – supply, nerves, lymphatics, pelvic cellular tissue, pelvic peritoneum
- Physiology of menstrual cycle.
- Human sexuality
- Foetal development
 - Conception
 - Review of fertilization , implantation (embedding of the ovum), development of the embryo and placenta at term – functions, abnormalities, the foetal sac, amniotic fluid, the umbilical cord

- Foetal circulation, foetal skull, bones, sutures and measurements.
- Review of genetics

Unit III: Assessment and management of pregnancy (ante-natal)

- Normal pregnancy
- Physiological changes during pregnancy
 - Reproductive system
 - Cardiovascular system
 - Respiratory system
 - Urinary system
 - Gastro intestinal system
 - Metabolic changes
 - Skeletal changes
 - Skin changes
 - Endocrine system
 - Psychological changes
 - Discomforts of pregnancy
- Diagnosis of pregnancy
 - Signs
 - Differential diagnosis
 - Confirmatory tests
- Ante-natal care
 - Objectives
 - Assessment
 - History and physical examination
 - Antenatal examination
 - Signs of previous child birth
 - Relationship of foetus to uterus and pelvis: Lie, Attitude, Presentation, Position
 - Per vaginal examination
- Screening and assessment for high risk;
- Risk approach
- History and Physical Examination
- Modalities of diagnosis; Invasive and Non – invasive, ultrasonics, cardiotomography, NST, CZST
- Antenatal preparation
 - Antenatal counseling
 - Antenatal exercises
 - Diet
 - Substance use
 - Education for child-birth
 - Husband and families
 - Preparation for safe –confinement
 - Prevention from radiation
- Psycho-social and cultural aspects of pregnancy
 - Adjustment to pregnancy
 - Unwed mother
 - Single parent
 - Teenage pregnancy
 - Sexual violence
- Adoption

Unit IV: Assessment and management of intra – natal period

- Physiology of labour, mechanism of labour
- Management of labour
 - First stage
 - Signs and symptoms of onset labour; normal and abnormal
 - Duration
 - Preparation of : labour room, Woman
 - Assessment and observation of women in labour; partogram – maternal and foetal monitoring
 - Active management of labour, Induction of labour
 - Pain relief and comfort in labour
 - Second stage
 - Signs and symptoms; normal and abnormal
 - Duration
 - Conduct of delivery: Principles and techniques
 - Episiotomy (only if required)
 - Receiving the new born
 - Neonatal resuscitation; initial steps and subsequent resuscitation
 - Care of umbilical cord
 - Immediate assessment including screening for congenital anomalies
 - Identification
 - Bonding
 - Initiate feeding
 - Screening and transportation of the neonate
 - Third stage
 - Signs and symptoms; normal and abnormal
 - Duration
 - Method of placental expulsion
 - Management ; Principles and techniques
 - Examination of the placenta
 - Examination of the perineum
 - Maintaining records and reports
 - Fourth stage

Unit V: Assessment and management of women during post natal period

- Normal puerperium; Physiology Duration
- Postnatal assessment and management
- Promoting physical and emotional well – being
- Lactation management
- Immunization
- Family dynamics after child birth
- Family welfare services; methods, counseling
- Follow-up
- Records and reports

Unit VI: Assessment and management of normal neonates

- Normal Neonate;
- Physiological adaptation
- Initial and Daily Assessment
- Essential new born care; Thermal control
- Breast feeding, prevention of infections
- Immunization

- Minor disorders of newborn and its management
- Levels of neonatal care (level , II and III)
- At primary, secondary and tertiary levels
- Maintenance of reports and records

Unit VII: High – risk pregnancy – assessment and management

- Screening and assessment
- Ultrasonics, cardiotomography , NST, CST, non – invasive & invasive
- Newer modalities of diagnosis
- High – risk approach
- Levels of care; primary, secondary and tertiary levels
 - Hyper – emesis gravidarum, bleeding in early pregnancy, abortion, ectopic
 - Pregnancy, vesicular mole
 - Ante – partum haemorrhage
- Urinary abnormality and displacement
- Diseases complicating pregnancy
 - Medical and surgical conditions
 - Infections, RTI (STD), UTI, HIV, TORCH
 - Gynaecological diseases
 - Pregnancy induced hypertension & diabetes, Toxemia of pregnancy, hydraminos
 - Rh compatibility
 - Mental disorders
- Adolescent pregnancy, Elderly primi and grand multipara
- Multiple pregnancy
- Abnormalities of placenta and cord
- Intra-uterine growth retardation
- Nursing management of mothers with high-risk pregnancy
- Maintenance of records and reports

Unit VIII: Abnormal labour – Assessment and Management

- Disorders in labour
- CPD and contracted pelvis
- Malpositions and malpresentations
- Premature labour, disorders of uterine actions – precipitate labour, prolonged labour
- Complications of third stage: injuries to bith canal
- Obstetrical emergencies and their management
 - Presentation and prolapsed of cord, Vasa praevia, amniotic fluid embolism, rupture of uterus, shoulder dystocia, obstetrical shock
- Obstetrical procedures and operations;
 - Induction of labor, forceps, vaccum, version, caesarean section, destructive operations
- Nursing management of women undergoing Obstetrical operations and procedures

Unit IX: Abnormalities during Postnatal Periods

- Assessment and management of woman with postnatal complications
- Puerperial infections, breast engorgement and infections, UTI, thrombo – Embolic disorders, post-partum haemorrhage, Eclampsia and subinvolution
- Psychological complications:
 - Post partum blues
 - Post partum depression
 - Post partum Psychosis

Unit X: Assessment management of High risk new born

- Admission of neonates in the neonatal intensive care units – neonatal intensive care units – protocols
- Nursing management of
 - Low birth weight babies
 - Infections
 - Respiratory problems
 - Haemolytic disorders
 - Birth injuries
 - Malformations
- Monitoring of high risk neonates
- Feeding of high risk neonates
- Organization and management of neonatal intensive care units
- Infection control in neonatal intensive care units
- Maintenance of reports and records

Unit XI: **Pharmaco-therapeutics and obstetrics**

- Indication, dosage, action, contra indication and side effects of drugs
- Effect of drugs on pregnancy, labour and puerperium,
- Nursing responsibilities in the administration of drug in Obstetrics – oxytocins, antihypertensives, diuretics, tocolytic agents, anti – convulsants;
- Analgesics anesthetics in obstetrics
- Effects of maternal medication on foetus and neonate

Unit XII: **Family Welfare Programme**

- Population trends and problems in India
- Concepts, aims, importance and history of family welfare programme
- National population; dynamics, policy and education
- National family welfare: programme; RCH, ICDS, MCH safe mother hood
- Organization and administration ; at national, state, district, block and village levels
- Methods of contraception; spacing, temporary and permanent, emergency contraception
- Maintenance of vital statistics
- Role of national, international and voluntary organizations
- Role of a nurse in family welfare programme
- Training / Supervision / Collaboration with other functionaries in community like ANMs, LHV's, Anganwadi workers, TBAs (Traditional birth attendant – Dai)

The teaching learning activities will be through lecture discussion, explanation using charts and graphs, review with charts and models, case discussion / presentation, health talk, practice session, counseling session, supervised clinical practice.

The internal assessment will be done through short answer objective type , assessment of skills with checklist, assessment of patient management problems.

SNSA1117- MIDWIFERY AND OBSTETRICAL NURSING - PRACTICAL

Placement: Fourth year

Duration: –180 hours
Internship – 240 +180 hours

The learning objectives are:

- Assessment of pregnant women
- Assess woman in labour
- Carry out pre – vaginal examinations
- Conduct normal deliveries
- Perform episiotomy and suture it
- Resuscitate new borns
- Assist with Caesarean Sections, MTP and other surgical procedures
- Provide nursing care to post natal mother and baby
- Counsel and teach mother and family for parent hood
- Provide nursing care to new born at risk
- Rotation from post natal ward

Areas & Skills

Antenatal Clinic / OPD

- Antenatal history taking
- Physical examination
- Recording of weight and B.P
- Hb and Urine testing for sugar and albumin
- Antenatal examination – abdomen and breast
- Immunization
- Assessment of risk status
- Teaching antenatal mothers
- Maintenance of antenatal records

Labour room O.T

- Assessment of Woman in labour
- Prevaginal examinations and interpretation
- Monitoring and caring of woman in labour
- Maintenance of partograph
- Conduct normal delivery
- New born assessment and immediate care
- Resuscitation of new borns
- Assessment of risk status of new born
- Episiotomy and suturing
- Maintenance of labour and birth records
- Arrange for assist with Caesarean
- Arrange for and assist with MTP and other surgical procedures

Post natal ward

- Examination and assessment of mother and Baby
- Identification of deviations
- Care of post natal mother and baby
- Perineal care
- Lactation management
- Breast feeding
- Baby bath
- immunization
- teaching post natal mother
 - Mother craft
 - Post natal care and

- Exercises
- Immunization

New born nursery:

- New born assessment
- Admission of neonates
- Feeding of at risk neonates
 - Katori spoon, paladin, tube feeding, total parental nutrition
- Thermal management of neo nates – kangaroo mother care, care of baby in incubator
- Monitoring and care of neo nates
- Administering medications
- Intravenous therapy
- Assisting with exchange transfusion
- Care of baby on ventilator
- Phototherapy
- Infection control protocols in the nursery
- Teaching and counseling of parents
- Maintenance of neo natal records

Family planning clinic:

- Counseling technique
- Insertion of IUD
- Teaching on use of famiilu planning methods
- Arrange for and assist with family planning operations
- Maintenance of records and reports

Assignments:

*Conduct of Antenatal examination-30

Conduct normal deliveries – 20

Prevaginal examinations – 5

- Perform and suture the episiotomies – 5
- Resuscitate new borns – 5
- Assist with caesarean sections- 2
- Witness abnormal deliveries - 5, give care to post natal, IUD insertion
- Assist with MTP and other surgical procedures -1
- Case book recordings
- Observation study
- Counseling
- Stimulation exercise on recording and reporting
- Health talk
- IUD insertion – 5
- Give care to Post natal mothers - 20
- *Essential requirements for registration as midwife
- * Antenatal Examination 30
- Conduct normal deliveries in hospital /
- Home / health centre 20
- * Vaginal examination 5
- * Episiotomy and suturing 5
- * Neonatal resuscitation 5
- * Assist with caesarean section 2
- * Witness / Assist abnormal deliveries 5
- *Post natal cases nursed in hospital /
- Home / health care centre 20
- Insertion of IUD 5

Note: All cases must be certified by teacher on completion of essential requirements

Internship obstetrical nursing
Internship Duration – 5 weeks

Area	Objective	Skills	Assignment	Assessment methods
Labour ward Neonatal intensive care unit / NICU Antenatal	Provide comprehensive care to mothers and to neonates	Integrated practice	Completion of other essential requirements Case book recordings	Assess clinical performance with rating scale Completion of case book recordings

The assessment of the skills will be done by assessing performance with rating scale, assess each skill with check list, evaluation of case study / presentation and Health Education session, completion of activity record.

SNSA1118- COMMUNITY HEALTH NURSING – II

**Placement : Fourth year
hours**

Duration : Theory – 90 (110)

Practical – 135 hours

Course Description: This course is designed for students to practice community health nursing for the individual, family and groups at both urban and rural settings by using concept and principles of health and community health nursing

The learning objectives are:

- The concepts, scope, principles and historical development of Community Health and Community Health Nursing
- The health plans, policies, various health problems in India.
- The system of delivery of community health services in rural and urban areas
- To list the functions of various levels and their staffing pattern
- The components of health services
- The alternative systems of health promotion and health maintenance
- The chain of referral system
- The community Health Nursing approaches and concepts
- The roles and responsibilities of Community Health Nursing Personnel.

Unit I : **Introduction**

- Definition, concept and scope of Community Health and Community Health Nursing
- Historical development of
 - Community health
 - Community Health Nursing
 - Pre-independence
 - Post – independence

Unit II: **Health planning and policies and problems**

- National health planning in India – five Year Plans
- Various committees and commissions on health and family welfare
 - Central council for health and family welfare (CCH and FW)
 - National population policy
- ❖ Health problems in India

Unit III: **Delivery of community health services**

- Planning, budgeting and material management of Scs, PHC and CHC
- Rural: Organization, staffing and functions of rural health services provided by government at
 - Village
 - Subcentre
 - Primary health centre
 - Community health centre / subdivisional
 - Hospitals
 - District
 - State
 - Centre
- Urban : Organization, staffing and functions of urban health services provided by government at

- Slums
- Dispensaries
- Maternal and child health centres
- Special clinics
- Hospitals
- Corporation / Municipality Board
- Subcentre
- Primary health centre
- Community health centre / subdivisional
- Components of health services
 - Environmental sanitation
 - Health education
 - Vital statistics
 - M.C.H – antenatal, natal, postnatal, MTP Act, female foeticide act, Child adoption act
 - Family welfare
 - National health programmes
 - School health services
 - Occupational health
 - Defence services
 - Institutional services
- Systems of medicine and health care
 - Allopathy
 - Indian System of Medicine and Homeopathy
 - Alternative health care systems like yoga, meditation, social and spiritual healing NETC.
- Referral System

Unit IV: Community Health Nursing approaches, concepts and roles and responsibilities of nursing personnel

- Approaches
 - Nursing theories and nursing process
 - Epidemiological approach
 - Problem solving approach
 - Evidence based approach
 - Empowering people to care for themselves
- Concepts of Primary Health Care:
 - Equitable distribution
 - Community participation
 - Focus on prevention
 - Use of appropriate technology
 - Multi-sectoral approach
- Roles and responsibilities of Community Health Nursing personnel in
 - Family health services
 - Information Education Communication (IEC)
 - Management Information System (MIS): Maintenance of Records and reports
 - Training and supervision of various categories of health workers
 - National Health Programmes
 - Environmental sanitation
 - Maternal, Child Health and Family Welfare
 - Treatment of Minor ailments
 - School health services
 - Occupational Health
 - Organization of clinics, camps, Types, Preparation, planning conduct and evaluation

- Waste management in the centre, clinics etc.
- Home Visit: Concept, Principles, Process, Techniques: Bag technique home visit
 - Qualities of Community Health Nurse
 - Job Description of Community health nursing personnel

Unit V: **Assisting individuals and groups to promote and maintain their health**

- Empowerment for self care of individuals, families and groups in -
- Assessment of self and family
 - Monitoring growth and development
 - Mile stones
 - Weight measurement
 - Social development
 - Temperature and blood pressure monitoring
 - Menstrual cycle
 - Breast self examination and testicles
 - Warning signs of various diseases
 - Tests: Urine for sugar and albumin, blood sugar
 - Seek health services for
 - Routine check up
 - Immunization
 - Counseling
 - Diagnosis
 - Treatment
 - Follow up
 - Maintenance of health records for self and family
 - Continue medical care and follow up in community for various diseases and disabilities
 - Carryout therapeutic procedures as prescribed / required for self and family
 - Waste management
 - Collection and disposable of waste at home and community
 - Sensitize and handle social issues affecting health and development for self and family
 - Women Empowerment
 - Women and child abuse
 - Abuse of elders
 - Female Foeticide Commercial sex workers
 - Food adulteration
 - Substance abuse
 - Utilize community resources for self and family
 - Trauma services
 - Old age homes
 - Orphanage
 - Homes for destitute

Unit VI: **National health and family welfare programmes and the role of a nurse**

- National ARI programme
- Revised National Tuberculosis Control Programme (RNTCP)
- National Anti – Malaria programme
- National Filaria control programme
- National Guinea worm eradication programme
- National Leprosy eradication programme
- National AIDS control programme
- STD control programme
- National programme for control of blindness

- Iodine deficiency disorder programme
- Expanded programme for immunization
- National family Welfare Programme – RCH Programme historical development, organization, administration, research, constraints
- National Water supply and sanitation programme
- Minimum Need Programme
- National Diabetes Control programme
- Polio Eradication: Pulse Polio Programme
- National Cancer Control Programme
- Yaws Eradication Programme
- national Nutritional Anemia Prophylaxis programme
- 20 point programme
- Health schemes
- ESI
- CGHS
- Health Insurance

Unit VII: **Health Agencies**

International – WHO, UNFPA, UNDP, World Bank, FAO, UNICEF, DANIDA, European Commission (EC), Red Cross, USAID, UNESCO, Colombo Plan, ILO, CARE etc.

National – Indian Red Cross, Indian Council for child welfare, Family Planning Association of India (FPAI), Tuberculosis Association of India, Hindu Kush Nivaran Sangh, Central Social Welfare Board, All India Women 's Conference, Blind Association of India etc.

Unit VIII: **Biodiversity and its conservation ***

- Introduction — Definition: genetic, species and ecosystem diversity.
- Biogeographically classification of-India
- Value of biodiversity: consumptive use, productive use, social, ethical, aesthetic and option values
- Biodiversity at global, National and local levels.
- India as a mega»-diversity nation
- Hot~spots of biodiversity.
- Threats to biodiversity: habitat loss, poaching of wildlife, man—wildlife conflicts
- Endangered and endemic species of India
- Conservation of biodiversity: In-situ and Ex-situ conservation of biodiversity

Unit IX: **Human Population and the Environment ***

- Population growth, variation among nations
- Population explosion — Family Welfare “Programme
- Environment and human health
- Human Rights
- Value Education
- HIV/AIDS
- Women and Child Welfare.
- Role of information Technology in Environment and human health
- Case studies

The teaching learning activities will be in the form of Lecture discussion, demonstration, practice session, panel discussion, group project, participation in camps, Individual / group / family / community health education, participation in national health programme, field visits etc.

The internal assessment will be done through tests consisting of essay type, short answer question

COMMUNITY HEALTH NURSING – II – PRACTICAL

Placement : Fourth Year

Time : Practical 135 Hours

Internship - 195 + 60 = 255 hours

Areas	Duration (in weeks)	Objective	Skills	Assignment	Assessment Methods
Community health nursing	1 wk for urban 4 wk for rural	- Identify community profile - Identify prevalent communicable and non-communicable diseases - Diagnose health needs of Individual, families and community - Plan, provide and evaluate care - Participate in school health programme - Participate in national health programmes - Organize group for self help and involve clients in their own health activities - Provide family welfare services - Counsel and educate individual, family and community - Collect vital health statistics	- Community health survey - Community diagnosis - Family care: Home adaptation of common procedures - Home visit: Bag technique - Organize and conduct clinics antenatal, postnatal, well baby clinic, camps etc. - Screen manage and referrals for: High risk mothers and neonates - Accidents and emergencies - Illness: Physical and mental - Disabilities - Conduct delivery at center/home: episiotomy and suturing - Resuscitate newborn - School Health programme - Screen, Manage refer children - Collaborate with health and allied agencies	- Community survey report - Family care study-1 - Project –1 - Health talk - Case book recording	- Assess clinical performance with rating scale - Evaluation of community survey report family care study, project and health talk - Completion of activity record

		• Maintain records & reports	• Train and supervise health workers • Provide family welfare services: insertion of IUD • Counsel and teach individual, family and community about: HIV, TB, Diabetes, Hypertension, Mental Health, Adolescents, elderly's health, physically and mentally challenged individuals etc. • Collect and calculate vital health statistics • Document and maintain - Individual, family and administrative records - Write reports center, disease, and national health programme/ projects.		
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Placement: Internship

Time: 4 Weeks

Areas	Duration (in weeks)	Objective	Skills	Assessment Methods
Urban	4 Weeks	● Provide comprehensive care to individual, family and community	● Integrated practice and group project-1 in each rural and urban	● Assess clinical performance with rating scale ● Evaluation of project. ● Roles and responsibilities of Middle Level Health Provider

Note: During the rural posting they should stay in health centres under the supervision of teachers.

MANAGEMENT OF NURSING SERVICES AND EDUCATION

PLACEMENT: Fourth year

DURATION: Theory - 90 hours

COURSE DESCRIPTION: This course is designed to enable students to acquire understanding of management of clinical and community health nursing services, nursing educational programmes. This is also designed to enable students to acquire the understanding of the professional responsibilities, prospects and contribution to the growth of the profession.

The learning objectives of are:

- To know the principles and functions of management
- The elements and process of management
- The management of nursing services in the hospital and community
- The concepts, theories and techniques of organizational behavior and human relations
- Participate in planning and organizing in service education program
- The management of Nursing Educational institutions
- The ethical and legal responsibilities of a professional nurse
- The nursing practice standards
- The various opportunities

Unit I : **Introduction to management in nursing**

- Definition, concepts and theories
- Functions of management
- Principles of Management
- Role of Nurse as a manager

Unit II: **Management process**

- Planning; mission, philosophy, objective, operational plan
- Staffing: philosophy, staffing study, norms, activities, patient classification systems, scheduling
- Human resource management; recruiting, selecting, deployment, retaining, promoting, super annuation etc
- Budgeting: concept, principles, types, cost benefit analysis, audit
- Material management: equipment and supplies
- Directing process (leading)
- Controlling : Quality management
- Program Evaluation Review Technique (PERT), Bench marking, Activity Plan (Gantt Chart)

Unit III: **Management of nursing services in the hospital and community**

Planning

- Hospital and patient care units including ward management
- Emergency and disaster management

⌚ Human resource management:

- Recruiting, selecting, deployment, retaining, promoting, super annuation etc
- Categories of nursing personnel including job description of all levels
- Patients/population assignment and Nursing care responsibilities
- Staff development and welfare

⌚ Budgeting: Proposal, projecting requirement for staff, equipment and supplies for

- Hospital and patient care units
- Emergency and disaster management

⌚ Material Management; procurement, inventory control, auditing and maintenance in

- Hospital and patient care units
- Emergency and disaster management
- ⌚ Directing and leading; delegation, participatory management
 - Assignments, rotation, delegations
 - Supervision and guidance
 - Implement Standards, policies, procedures and practices
 - Staff development and welfare
 - Maintenance of discipline
- ⌚ Controlling / Evaluation:
 - Nursing protocols, Manuals
 - Quality Assurance Model, documentation –
 - Records and reports
- ⌚ Organizational behavior and human relations
 - Concepts and theories of organizational behaviours
 - Review of channels of communication
 - Leadership styles
 - Review of Motivation;
 - Quality Assurance Model, documentation –
 - Records and reports, performance appraisal

Unit IV: **Organizational behavior and human relations**

- ⌚ Concepts and theories of organizational behaviours
- ⌚ Reviews of Channels of communication
- ⌚ Leadership styles
- ⌚ Review of motivation; concepts and theories
- ⌚ Group dynamics
- ⌚ Techniques of ;
 - Communication and
 - Interpersonal relationships
 - Human relations
- ⌚ Public relations in context of nursing
- ⌚ Relations with professional associations and employee unions and collective bargaining

Unit V: **In service education**

- ⌚ Nature and scope of in service education program.
- ⌚ Organization of in service education
- ⌚ Principles of adult learning
- ⌚ Planning for in –service education program, techniques, methods and evaluation of staff education program
- ⌚ Preparation of report

Unit VI: **Management of nursing education institutions**

- ⌚ Establishment of Nursing educational institution – INC norms and guidelines
- ⌚ Co-ordination with –
 - Regulatory bodies
 - Accreditation
 - Affiliation
 - Philosophy / objectives
 - Organization
 - Structure
 - Committees
 - Physical facilities

- College / school
- Hostel
- Students
- Selection
- Admission
- Guidance and counseling
- Maintaining discipline
 - Faculty and staff
- Selection
- Recruitment
- Job description
- Placement
- Performance appraisal
- Development and welfare
- ⌚ Budgeting
- ⌚ Equipment and supplies: audio visual equipments, laboratory equipment, books, journals etc
- ⌚ Curriculum; Planning, implementation and evaluation
- ⌚ Clinical facilities transport facilities
- ⌚ Institutional Records and reports – administrative, faculty, staff and students

Unit VII: **Nursing as a Profession**

- ⌚ Nursing as a profession
 - Philosophy; nursing practice
 - Aims and objectives
 - Characteristics of a professional nurse
 - Regulatory bodies; INC, SNC Acts:- constitution, functions
 - Current trends and issues in Nursing
- ⌚ Professional ethics
 - Code of ethics: INC, ICN
 - Code of professional conduct; INC, ICN
- ⌚ Practice standards for nursing: INC
- ⌚ Consumer protection Act
- ⌚ Legal aspects in Nursing
 - Legal terms related to practice; registration and licensing
 - Laws related to nursing practice; Breach and penalties
 - Malpractice and negligence

Unit VIII: **Professional Advancement:**

- ⌚ Continuing education
- ⌚ Career opportunities collective bargaining
- ⌚ Membership with professional organizations; National and International
- ⌚ Participation in research activities
- ⌚ Publications; Journals, newspapers etc.

The teaching learning activities will be in the form of Lecture discussions, case discussion, panel discussion, role plays, and critical incidents. Visit to INC, SNRCs, review / Presentation of published articles, group exercises, plan and conduct of educational session

The internal assessment will be done through tests consisting of essay type, short answers, and assessment of problems solving, assessment of critical incidents group work on maintenance of bulletin board, performance evaluation by ward sister with



SATHYABAMA COLLEGE OF NURSING

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MINUTES OF THE MEETING OF THE FOURTH ACADEMIC COUNCIL HELD ON 09/05/2022

The fourth Academic council meeting was held on 9th May 2022 at 10.00 am.

The Dean, Sathyabama College of Nursing, Sathyabama Institute of Science & Technology welcomed the members of the Academic council of 2022-2023 academic year.

The Following Members were present during the Academic Council meeting

Prof. Dr.Hema Suresh Principal, College of Nursing, Dr.MGR Medical University, Maduravoyil, Chennai	Prof. Dr.Tamilarasi B. Principal, Madha College of Nursing, Kundrathur, Chennai	Prof.Dr.S.Igni Sabasti Prabhu, Controller of Examinations, Sathyabama Institute of Science & technology, Chennai
Prof.Dr.L.Lakshmi Dean, Sathaybama College of Nursing, Sathyabama Institute of Science & technology, Chennai	Mrs.Bhuvaneswari S. Professor & HOD, Dept.of Medical & Surgical Nursing, Sathaybama College of Nursing, Sathyabama Institute of Science & technology, Chennai	Mrs.Thivya N Professor & HOD, Dept. of Community Health Nursing, Sathaybama College of Nursing, Sathyabama Institute of Science & technology, Chennai
Mrs. Prathiba S HOD, Dept. of Mental Health Nursing, Sathaybama College of Nursing, Sathyabama Institute of Science & technology, Chennai	Ms.Precilla Selvakumar J HOD, Dept. of Child Health Nursing, Sathaybama College of Nursing, Sathyabama Institute of Science & technology, Chennai	Mrs.Trupiti Rekha Biswal HOD, Dept. of Midwifery & Obstetrical Nursing, Sathaybama College of Nursing, Sathyabama Institute of Science & technology, Chennai

AGENDA

The following Points were discussed and approved by the Academic Council Members

Agenda 1: Revised Regulations and Curriculum for B.Sc Nursing course

The Indian Nursing Council in their letter **No. 11-1/2019-INC dated 5th July, 2021.** communicated the Revised Regulations and Curriculum for B.Sc Nursing course.

Accepting the Revised Curriculum and Regulations- 2020, the same is circulated to members of the Board of Studies for U.G Nursing course on 09/05/2023 for approval and to pass the following resolution, the same is to be implemented from the Academic Year 2022-2023 Batch - I Semester

Resolved to approve the Revised Curriculum & Regulations, 2020 communicated by the Indian Nursing Council for B.Sc Nursing Course and the implementation of the same from the Academic Year 2022-23.

APPROVED

The following courses were added in the

B. Sc Nursing - I Semester

1. Communicative English - ENGL 101
2. Applied Anatomy- ANAT 105
3. Applied Physiology- PHYS 110
4. Applied Sociology- SOCI 115
5. Applied Psychology- PSYC 120
6. Nursing Foundation I- N-NF (I) 125
7. Nursing Foundation I- Practicals- N-NF (I) 125 P

Mandatory Module: First Aid as a part of Nursing Foundation I Course

B. Sc Nursing IV year

1. Midwifery & Obstetrical Nursing - SNSA1117
2. Midwifery & Obstetrical Nursing- Practical- SNSA1117P
3. Community Health Nursing II- SNSA1118
4. Community Health Nursing II- Practical- SNSA1118P
3. Management of Nursing service & education- SNSA1119

Agenda 2: Conduct of Theory Examination& Practical Examinations:

It was suggested that the examinations will be conducted as per the regulations issued by INC statutory body in the month of February 2023 for the I semester Batch 2022-23- Approved

For II, III & IV year B. Sc Nursing students- regular non-semester exams will be conducted in the month of October- Approved.

MEMBERS



Prof. Dr. Hema Suresh
Principal,
College of Nursing, Dr.MGR
Medical University,
Maduravoyal, Chennai



Prof. Dr. Tamilarasi B.
Principal,
Madha College of Nursing,
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MINUTES OF THE MEETING OF THE FIFTH ACADEMIC

COUNCIL HELD ON 22/12/2022

The fourth Academic council meeting was held on 22nd December 2022 at 10.00 am.

The Dean, Sathyabama College of Nursing, Sathyabama Institute of Science & Technology welcomed the members of the Academic council of 2022-2023 academic year- II Semester

The Following Members were present during the Academic Council meeting

Prof. Dr.Hema Suresh Principal, College of Nursing, Dr.MGR Medical University, Maduravoyil, Chennai	Prof. Dr.Tamilarasi B. Principal, Madha College of Nursing, Kundrathur, Chennai	Prof.Dr.S.Igni Sabasti Prabhu, Controller of Examinations, Sathyabama Institute of Science & technology, Chennai
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AGENDA

The following Points were discussed and approved by the Academic Council Members

Agenda 1: Revised Regulations and Curriculum for B.Sc Nursing course- II Semester

The Indian Nursing Council in their letter **No. 11-1/2019-INC dated 5th July, 2021.** communicated the Revised Regulations and Curriculum for B.Sc Nursing course.

Accepting the Revised Curriculum and Regulations- 2020, the same is circulated to members of the Board of Studies for U.G Nursing course on 09/05/2023 for approval and to pass the following resolution, the same is to be implemented from the Academic Year 2022-2023 Batch - II Semester

Resolved to approve the Revised Curriculum & Regulations, 2020 communicated by the Indian Nursing Council for B.Sc Nursing Course and the implementation of the same from the Academic Year 2022-23.

APPROVED

The following courses were added in the

B. Sc Nursing - II Semester

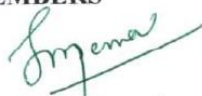
1. Applied Biochemistry
2. Applied Nutrition & Dietetics
3. Nursing Foundation II
4. Health/Nursing- Informatics & Technology

Mandatory Module: Health Assessment as part of Nursing Foundation II Course

Agenda 2: Conduct of Theory Examination& Practical Examinations:

It was suggested that the examinations will be conducted as per the regulations issued by INC statutory body in the month of August 2023 for the I semester Batch 2022-23-

MEMBERS



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