

Prof. Rajendra Singh (Rajju Bhaiya)

University, Prayagraj

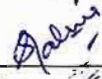
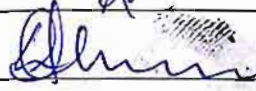

(Formerly – Allahabad State University, Allahabad)

B.Sc Nursing Syllabus

2018-2019

Date: 30.7.2019

Approved by Board of Examining committee Members:-

Sno.	Name	Signature
1	DR. SALINA PATHAK - coordinator	
2	DR. D. L. SAHASINI AGRAHARI - Member	
3	DR. POONAMIYOTI RANA - Member	



Prof. Rajendra Singh (Rajju Bhaiya) University, Prayagraj
(Formerly Allahabad State University, Allahabad)
Bachelor of Science (B.Sc) – Syllabus

Subject: English

Placement: 1st Year

Sno.	Time(Hours)	Content
I	10	Remedial Study of grammar, Building Vocabulary, Phonetics, Public Speaking
II	30	Read & Comprehend Prescribed Course Books
III	10	Various forms of composition, letter writing, note taking, Précis writing, Nurse Note, Anecdotal records, Diary Writing, Reports on Health Problem etc. Resume/CV
IV	6	Spoken English - Oral Reports, Discussion, Debate, Telephonic Conversation
V	4	Listening Comprehension – Media, Audio, Video, Speeches etc

Subject: Anatomy

Placement: 1st Year

Sno.	Time(Hours)	Content
I	5	Introduction to Anatomical Terms – Organization of the human body- Human Cells Structure, Tissue – Definition, Types, Characteristics, Classification, Location, Functions & Formation, Membranes & Glands – Classification & Structure, Alterations and Disease, Application & Implication in Nursing.
II	6	The Skeletal System - Bone - Types, Structure, Axial & Appendicular Skeleton, Bone formation & Growth, Description of Bone, Joints- Classification & Structure Alterations in Disease Application & Implications in Nursing.
III	7	The Muscular System – Types & Structure of Muscle & Muscle Group, Alteration In Disease, Application & Implications in Nursing.
IV	6	The Nervous System – Structure Neuralgia & Neurons, Somatic Nervous system, Structure of Brain, Spinal Cord, Cranial Nerves, Spinal Nerves, Peripheral Nerves, Autonomic Nervous System, Sympathetic & Parasympathetic, Structure, Location, Alteration & Disease Application & Implications in Nursing.
V	6	The Sensory Organs – Structure of Skin, Eye, Ear, Nose, Tongue (Auditory & olfactory Apparatus) Alteration & Disease, Application & Implications in Nursing.
VI	7	Circulatory & Lymphatic System – The Circulatory System – Blood, Microscopic Structure, Structure of Heart, Structure of Blood Vessels, Arterial & Venous System, Circulation, Systemic Pulmonary, Coronary, Lymphatic System – Lymphatic Vessels

		and Lymph, Lymphatic Tissues ~ Thymus Gland, Lymph Nodes, Spleen, Lymphatic Nodules, Application & Implications in Nursing.
VII	5	The Respiratory System – Structure of the Organs of respiration, Muscles of respiration: Intercostal & Diaphragm, Alterations in disease Applications and implications in nursing.
VIII	6	The Digestive System – Structure of Alimentary tract and accessory organs of digestion, Alterations in disease, Application and implication in nursing.
IX	4	The Excretory System (Urinary) – Structure of organs of urinary, System: Kidney, Urethras, Urinary bladder, urethra, structure of skin, Alterations in disease, Application and implication in nursing.
X	4	The Endocrine System – Structure of Pituitary, Pancreas, Thyroid, Parathyroid, thymus and adrenal glands, Alterations in disease, Application and implication in nursing.
XI	4	The Reproductive system including breast – Structure of female reproductive organs, Structure of male reproductive organs, Structure of breast, Alterations in disease, Application and implication in nursing.

Subject: Physiology
Placement: 1st Year

Sno.	Time(Hours)	Content
I	4	Cell Physiology – Tissue – formation, repair, Membranes and glands- functions, Alterations In disease, Application and implication in nursing.
II	4	Skeletal system – Bone formation and growth, Bones – Functions and movements of bones of axial and appendiculat skeleton, bone healing. Joints and joint movement Alterations in disease, Applcation and implication in nursing.
III	4	Muscular System – Muscle movements, Muscle tone, Physiology of muscle contraction, levels and maintenance of posture, Alterations in disease, Application and implication in nursing.
IV	7	Nervous System – Functions of Neuroglia & neurons, Stimulus & nerve impulse-definitions and mechanism, Functions of brain, spinal cord, cranial and spinal nerves, Cerebrospinal fluid – Composition, circulation and function, Reflex are, Reflex action and reflexes, Autonomic functions – Pain: somatic, Visceral, and referred, Autonomic learning and biofeedback, Alterations in disease, Application and implication in nursing.
V	8	Circulatory System – Blood formation, composition, blood groups, blood coagulation, Hemoglobin: Structure Synthesis and breakdown, Variation of molecules, estimation, Functions of Heart, Conduction, Cardiac cycle, circulation- Principles, Control, factors influencing BP and Pulse, Alterations in disease, Application and implication in nursing.
VI	6	The Respiratory System – Functions of respiratory organs, Physiology of respiration, Pulmonary ventilation, Volume, Mechanics of respiration, Gaseous exchange in lungs, Carriage of oxygen & carbon-dioxide, Exchange of gases in tissues, Regulation of respiration. Alterations in disease, Application and implication in nursing.

Handwritten signature

Handwritten signature

VII	6	The Digestive System – Functions of organs of digestive tract. Movements of alimentary tract. Digestion in mouth, stomach, small intestines, Large intestines, Absorption of food Functions of liver, gall bladder and pancreas, Metabolism of carbohydrates, protein and fat
VIII	5	The Excretory System – Functions of kidneys, urethras, urinary bladder and urethra, Compositions of urine, Mechanism of urine formation, Functions of skin, Regulation of body temperature, Fluid and electrolyte balance. Alterations in disease, Application and implication in nursing.
IX	4	The Sensory Organs – Functions of skin, eye, ear, nose, tongue, Alterations in disease, Application and implication in nursing.
X	5	The Endocrine System – Functions of Pituitary, pineal body, thymus, Thyroid, parathyroid, pancreas, Suprarenal, Placenta and ovaries & Testes Alterations in disease, Application and implication in nursing.
XI	5	The Reproductive System – Reproduction of cells ~ DNA, Mitosis, Meiosis, spermatogenesis, oogenesis, Functions of female reproductive organs: Functions of breast. Female sexual cycle. Introduction to embryology. Functions of male reproductive organs, Male function in reproduction. Male fertility system Alterations in disease, Application and implication in nursing.
XII	2	Lymphatic and Immunological System – Circulation of lymph, Immunity- Formation of T-cells and B- cells, Types of Immune response, Antigens, Cytokines, Antibodies

Subject: Nutrition

Placement: 1st Year

Sno.	Time(Hours)	Content
I	4	Introduction – Nutrition: History, Concepts, Role of nutrition in maintaining health, Nutritional problems in India, National nutritional policy, Factors affecting food and nutrition: socioeconomic, cultural, tradition, production, system of distribution, life-style and food habits etc. Role of food and its medicinal value, Classification of foods, Food standards, Elements of nutrition macro and micro, Calorie, BMR
II	2	Carbohydrates : Classification, Caloric value, Recommended daily allowance, Dietary, absorption and storage, metabolism of carbohydrates, Malnutrition: Deficiencies and over consumption
III	2	Fats – Classification, Caloric value, Recommended daily allowances, Dietary sources, Functions, Digestion, absorption and storage, metabolism, Malnutrition: Deficiencies and Over consumption.
IV	2	Proteins – Classification, Caloric value, Recommended daily allowances, Dietary sources, Functions, Digestion, absorption, metabolism and storage, Malnutrition : Deficiencies and Over consumption
V	3	Energy – Unit of Energy – Kcal, Energy requirements of different categories of people,

[Handwritten signature]

[Handwritten signature]

[Handwritten signature]

		Measurements of energy, Body Mass Index (BMI) and basic metabolism, Basal Metabolic Rate (BMR) determination and factors affecting
VI	4	Vitamins – Classification, Recommended daily allowances, Dietary sources, Functions, Absorption, synthesis, metabolism storage and excretion, deficiencies, Hypervitaminosis
VII	4	Minerals – Classification, Recommended daily allowances, Dietary sources, Functions, Absorption, synthesis, metabolism storage and excretion, Deficiencies, Over consumption and toxicity
VIII	4	Water & Electrolytes – Water: Daily requirement, regulation of water metabolism, distribution of body water. Electrolytes : Types sources, composition of body fluids, Maintenance of fluid & electrolyte balance, Over hydration, dehydration and water intoxication, Electrolyte imbalances
IX	5	Cookery rules and preservation of nutrients – Principles, methods of cooking and serving, Preservation of nutrients, Safe food handling – toxicity, Storage of food, Food preservation, food additives and its principles, Prevention of food adulteration Act (PFA) , Food standards, Preparation of simple beverages and different types of food
X	7	Balanced diet – Elements, Food groups, Recommended Daily Allowance, Nutritive value of foods, Calculation of balanced diet for different categories of people, Planning menu, Budgeting of food, Introduction to therapeutic diets : Naturopathy – Diet
XI	4	Role of nurse in nutritional programmers – National programmers related to nutrition, Vitamin A deficiency programme, National iodine deficiency disorders (IDD), Mid-day meal programme, Integrated child development scheme (ICDS), National International agencies working towards food nutrition, NIPCCD, CARE, FAO, NIN, CFTRI (Central food technology and research institute etc.), Assessment of nutritional status, Nutrition education and role of nurse

Subject: Biochemistry

Placement: 1st Year

Sno	Time (Hours)	Content
I	3	Introduction – Definition and significance in nursing, Review of structure, Composition and functions of cell, Prokaryote and Eukaryote cell organization, Microscopy
II	6	Structure and functions of Cell membrane – Fluid mosaic model tight junction. Cytoskeleton, Transport mechanism, diffusion, osmosis, filtration, active channel, sodium pump, Acid base balance maintenance and diagnostic test, PH buffers
III	6	Composition and metabolism of Carbohydrates – Types, structure
IV	4	Composition and metabolism of Lipids: - Types, structure, composition and uses of fatty acids: Nomenclature, Roles and Prostaglandins. Metabolism of fatty acid : Breakdown, Synthesis, Metabolism of triacylglycerols: Cholesterol Metabolism : Biosynthesis and its Regulation : -Bile salts and bilirubin, Vitamin D, Steroid

[Handwritten signatures and initials in blue ink]

		hormones Lipoproteins and their functions : VLDLs - IDLs, LDLs and HDLs, Transport of lipids, Atherosclerosis, Investigations and their interpretations
V	6	Composition and metabolism of amino acids and Proteins: - Types, structure, composition and uses of amino acids and proteins. Metabolism of amino acids and proteins: Protein synthesis, targeting and glycosylation. Chromatography, Electrophoresis, Sequencing, Metabolism of Nitrogen: Fixation and Assimilation, Urea Cycle, Hemes and chlorophylls, Enzymes and coenzymes: Classification, Properties, Kinetics and Inhibition, Control Investigations and their interpretations.
VI	2	Composition and vitamins and minerals: -Vitamins and minerals, Structure, Classification, Properties, Absorption, Storage and transportation, Normal Concentration, Investigations and their interpretations.
VII	3	Immunochemistry: - Immune response, Structure and classification of immunoglobins, Mechanism of antibody Production, Antigens: HLA typing, Free radical and antioxidants, Specialized Protein: Collagen, Elastin, Keratin, Myosin, Lens Protein, Electro, phoretic and Quantitative, determination of immunoglobins, ELISA etc. Investigations and their interpretations

SUBJECT: - NURSING FOUNDATION (Theory)

Placement: 1st Year

Sno.	Time (Hours)	Content
I	10	Introduction: - Concept of Health: Health Illness continuum, Factor influencing Health, Causes and risk factors for developing illness, Body defenses: - Immunity and Immunization. Illness and Illness Behavior: Impact of illness on patient and family, Health care Services: Health promotion and prevention, primary care, Diagnosis, Treatment, Rehabilitation and Continuing Care. Health care teams. Types of health care agencies. Hospital: Types, Organization and functions. Health Promotion and level of Disease Prevention. Primary health care and its delivery: Role of nurse. Incorporate evidence based knowledge in preventive & promotive nursing care strategies.
II	16	Nursing as a Profession: - Definition and Characteristics of a profession. Nursing: - Definition, Concepts, Philosophy, Objectives. Characteristics, Nature and scope of nursing Practice. Functions of nurse. Qualities of a nurse. Categories of nursing personnel, Nursing as a Profession, History of Nursing in India. Values: Definition, Types, Values Clarification and values in professional Nursing: Caring and Advocacy. Ethics: Definition and Ethical Principles Code of ethics and professional conduct for nurses. Practice evidence based guidelines to maintain ethical practice and develop professional attitude.
III	4	Hospital Admission and Discharge: - Admission to the hospital Unit and its preparation admission bed, Admission procedure, Special Considerations, Medico-legal

[Handwritten signatures and initials]

		issues, Roles & Responsibilities of the nurse, Discharge from the Hospital. Types: Planned Discharge, LAMA and abscond, Referrals & Transfers, Discharge planning, Discharge Procedure, Special Considerations, Medico-legal issues, Roles & Responsibilities of the nurse, Care of the unit after Discharge. Develop evidence based protocols for admission & discharge procedures.
IV	10	Communication and Nurse patient relationship: - Communication: Levels, elements, Types, Modes, Process, Factors influencing Communication, Methods of Effective Communication, Attending skills, Rapport building skills, Empathy skills, Barriers to effective Communication, Helping Relationships (NPR):- Dimensions of helping Relationships, Phases of a Helping Relationship. Communicating effectively with patient, families and team members and maintain effective human relations with special reference to communicating with vulnerable group (Children, women, physically and mentally challenged and elderly.). Patient Teaching: - Importance, Purposes, role of nurse and Integrating teaching in Process. Incorporate evidence based practice in therapeutic communication.
V	15	The Nursing Process: - Critical Thinking & Nursing Judgment. Critical Thinking:- Thinking and Learning, Competencies, Attitudes for Critical, Thinking, Levels of Critical Thinking in Nursing. Nursing Process Overview:- Application in Practice, Nursing Process format: INC, Current format, Assessment: Collection of data: Types, Sources, Methods, Formulating Nursing Judgment: Data interpretation, Nursing Diagnosis: Identification of client problems, Nursing diagnosis statement, Difference between medical and nursing diagnosis, Planning, Establishing Priorities, Establishing Goals and Expected Outcomes,, Selection of interventions: Protocols and standing orders, Writing the Nursing care plan, Implementation, Implementation the plan of care, Evaluation, Outcome of care, Review and modify, Documentation and Reporting, Apply evidence based knowledge in preparation of nursing care process.
VI	4	Documentation and Reporting: - Documentation: Purposes of Recording and reporting, Communication within the Health Care Team, Types of records; ward records Medical / Nursing records, Common Record - Keeping forms, Computerized documentation, Guidelines for Reporting: Factual Basis, Accuracy, Completeness, Currentness, Organization, Confidentiality. Methods of Recording, Reporting: Change - of - sift reports: Transfer reports, Incident reports. Minimizing legal Liability through effective record keeping. Practice evidence based skills in effective record keeping & reporting.
VII	15	Vital signs: - Guidelines for taking vital signs: Body temperature: Physiology, Regulation, Factors affecting body temperature. Assessment of body temperature: sites, equipments and technique, special Considerations. Temperature alterations: perthermia, Heatstroke, Hypothermia ,Hot and cold applications. Pulse: Physiology and Regulation, Characteristics of the pulse, factors affecting pulse. Assessment of pulse: sites, location, equipments and technique, special considerations. Alterations in pulse: the respiration, Factors affecting respiration. Assessment of respirations: echnique, special considerations. Alterations in respiration. Blood pressure: Physiology and

		Regulation, Characteristics of the blood pressure, factors affecting blood pressure. Assessment of blood pressure: sites, equipments and technique, special considerations, Alterations in Blood Pressure. Recording of vital signs. Apply evidence based knowledge in identifying & treating alteration in vital signs.
VIII	30	Health Assessment: - Purposes, Health History, Physical Examination, Methods – Inspection, Palpation, Percussion, Auscultation, Olfaction. Preparation for examination: patient and unit. General assessment, Assessment of each body system, Recording of health assessment Process of Health assessment, Exercise evidence based practice in health assessment of patient.
IX	5	Machinery, Equipment and Linen: - Types: Disposables and reusable – Linen, rubber, goods, glass ware, metal, plastic, furniture, machinery, Introduction: Indent, Maintenance, Inventory
X	60	Meeting needs of patient: - Basic needs (Activities of daily living), Providing safe and clean environment. Physical – environment: Temperature, Humidity, Noise, Ventilation, light, Odor, pests control. Reduction of physical hazards: fire, accidents ▪ Safety devices: Restraints, side rails, airways, trapez etc, Role of nurse in providing safe and clean environment. Hygiene: - Factors Influencing Hygienic Practice. Hygienic care: Care of the Skin – Bath and pressure points, Feet and nail, oral cavity, hair care, Eyes, Ears and Nose. — Assessment, Principles, Types, Equipments, Procedure, Special Considerations. Patient environment: Room Equipment and linen, marking patient beds. — Types of beds and bed making, Comfort: - Factors Influencing Comfort, Comfort devices, Physiological needs: Sleep and Rest: Physiology of sleep, Factors affecting sleep Promoting Rest and sleep, Sleep Disorders, Nutrition: Importance Factors affecting nutritional needs. Assessment of nutritional needs: Variables. Meeting Nutritional needs: Principles, equipments, procedure and special considerations. — Oral — Enteral: Naso/ Orogastric, gastrostomy— Parenteral: Urinary Elimination, Review of Physiology of Urine, Elimination, Composition, and characteristics of urine ▪ Factors Influencing Urination Alteration in Urinary Elimination. Collection of urine specimen. Facilitating urine Elimination. Bowel Elimination Review of Physiology of Bowel Elimination. Factors affecting Bowel Elimination. Types and Collection of specimen of fasses. Facilitating Bowel Elimination: Assessment, Equipments, Procedures and special Consideration. Mobility and Immobility, Principles of Body Mechanics, Maintenance of normal body Alignment and mobility, Factors affecting Body alignment and mobility. Nursing interventions for impaired Body Alignment and Mobility: Rehabilitation aspects— ROM Exercises — Maintaining Body alignment — Moving — Lifting, Walking, Restraints. Oxygenation: Review of Cardiovascular and respiratory Physiology. Factors Affecting Oxygenation. Alterations in Oxygenation, Nursing interventions in Oxygenation: Fluid, Electrolyte and acid – base Balances, Review of physiological regulation of Fluid Electrolyte and acid – base Balances, Factors Affecting Fluid Electrolyte and acid – base Balances. Nursing Intervention Fluid Electrolyte and acid – base Balances. Psychosocial Needs, Concept of Cultural, Diversity, Stress and Adaptation, Self-Concept, Sexuality, Spiritual Health, Coping with loss, Death and grieving. Assessment of Psychosocial needs Nursing intervention for





		Psychosocial needs, Recreational and divisional therapies. Apply evidence based knowledge in identification of patients' needs.
XI	20	Infection control in Clinical settings: - Infection Control, Nature of infection, Chain of infection transmission, Defenses against infection: natural and acquired. Hospital acquired infection, Concept of a sepsis: Medical asepsis, and Surgical asepsis Isolation Precautions: Hand washing, Isolation, Personal protecting equipments, Decontamination of equipment and unit, Transportation of infected patients, Standard safety Precautions, Transmission based precautions, Biomedical waste management: Importance, Types of Hospital waste, Hazards associated with hospital waste, Decontamination of hospital waste, Segregation and Transportation and disposal. Practice evidence based nursing in infection control in clinical setting.
XII	40	Administration of Medications: - General Principles / Considerations Purpose of Medication, Principles, Drug forms, Routes of administration, Storage and maintenance of drugs and Nurses responsibility, Broad classification of drugs. Therapeutic Effect, side effects, Toxic Effects, Idiosyncratic Reactions, Allergic Reactions, Drug, Tolerance, Drug Interactions, Factors Influencing drug Actions, Systems of Drug Measurement, Converting measurements unit, Oral Drugs Administration, Parenteral: General Principles, Types of parenteral therapies, Types of syringes, Needles, canula, and infusion sets. Protection from needle-stick Injuries, Routes of parenteral therapies: Intra-dermal, Subcutaneous, Intramuscular, Intra Venous, Advanced techniques, Topical Administration: Purposes, site, equipment, procedure, special considerations for- Application to skin, Application to mucous membrane, Inhalation: Nasal, oral, endotracheal/ tracheal. Search the evidence based literature related to administration of medication to develop the skill & expertise
XIII	10	Meeting needs of Perioperative patients: - Definition and concept of Perioperative Nursing. Preoperative Phase, Preparation of patient for surgery, Intraoperative, Operation theater Set up and environment, Role of nurse, Postoperative Phase: Recovery unit, Post operative unit, Post operative care, Wounds: types, Classification, Factors affecting, Wound, Complications of Wound Healing, Surgical asepsis, Care of the Wound, Types, equipments, procedure and special considerations, Dressing , suture care, Care of drainage, Application of Bandages, Binders, splints & slings, Heat and cold therapy, Practice evidence based perioperative nursing care to improve quality care
XIV	15	Meeting special needs of the patient: - * Care of patient having alteration in Temperature, Sensorium, Urinary Elimination, Functioning of sensory organs. Assessment of Self-Care ability, Communication Methods & special Considerations, Mobility, Mental States, Communication Methods & special Considerations, respiration, Comfort (Pain) – Nature, Types, Factors influencing Pain, Coping, Assessment, Management. Treatment related to gastrointestinal System. Determine evidence based nursing care to meet special needs of the patient.
XV	5	Care of Terminally ill patient: - Concepts of lose, Grief, grieving Process. Signs of Clinical death, Care of dying patient, Medico – legal issues, Care of dead body. Autopsy, Embalming, Develop evidence based nursing skills in care of terminally ill patient.

XVI	6	Professional Nursing concepts and practices: - Conceptual and theoretical models of nursing practice, Introduction to theories in Nursing; Peplau's Henderson's Orem's Neuman's Roger's and Roy's, Linking theories with nursing process. Search evidence based implication of nursing theories & models & incorporates in care.
-----	---	--

SUBJECT: - NURSING FOUNDATION (PRACTICAL)

Placement: 1st Year

Areas	Skills to be developed
<ul style="list-style-type: none"> ▪ Demonstration Lab ▪ General, Medical and Surgery ward 	<p>Hospital admission and discharge (III): - Admission, Prepare Unit for new patient, Prepare admission bed, Performs admission Procedure: New Patient, Transfer Patient Prepare patient records. Discharge / Transfer out: Gives discharge counseling, Perform discharge procedure (planned discharge, LAMA and abscond, Referrals and transfers), Prepare records of discharge / transfer. Dismantle, and disinfect unit and equipment after discharge / Transfer. Perform assessment: History taking, Nursing diagnosis, Problem list, Prioritization, Goals & Expected Outcomes, and Selection of interventions. Write Nursing care plan, Given care as per the plan, Communication : Use verbal non verbal communication techniques, Prepare a plan patient teaching session, Write patient report : Change-of shift reports, Transfer reports, incidents reports etc. Presents patient report, Vital signs: Measure, Records and interpret alterations in body temperature, pulse respiration and blood pressure. Health assessment: Health History taking, Perform assessment: General, Body Systems, Use various methods of physical examination, Inspection, Palpation, Percussion, Auscultation, Olfaction. Identification of system wise deviations. Prepare patient's unit: Prepare beds: Open, Closed, Occupied, Operation, amputation. Cardiac, fracture, burn, Divided & Fowlers bed. Pain assessment and provision for comfort. Use comfort devices Hygienic care: Oral hygienic, Baths and care of pressure paints. Hair wash, pediculosis treatment. Feeding: Oral, Enteral, Naso / Orogastric, gastrostomy and Parenteral feeding. Nasogastric, insertion, suction, and irrigation. Assisting patient in urinary elimination : Provides urinal / bed pan, Condom drainage, Perineal care, Catheterization, Care of urinary drainage, Bladder irrigation Assisting bowel Elimination : Insertion of flatus tube. Enemas, Insertion of suppository. Bowel wash, Body Alignment and Mobility : - Range of motion exercises, Positioning: - Recumbent, Lateral (rt / lt) fowlers, Sims, Lithotomy, Prone, Tendelenburg positon. Assist patient in moving lifting, transferring walking. Restraints. Oxygen administration: - Suctioning: Oropharyngeal, nasopharyngeal: - Chest Physiotherapy and postural drainage: - CPR – Basic life support: - Intravenous therapy: - Blood and blood component therapy: - Collect / assist for collection of specimens for investigations urine, sputum, faces, vomitus, blood and other body fluids: - Perform lab tests: - Urine: - Sugar, albumin, acetone, Blood: - Sugar (with strip/ gluco-meter). Hot and cold application: local and general Sitz bath</p>

Communicating and assisting with self-care of visually & hearing impaired patients. Communicating and assisting with self-care of mentally challenged/ disturbed patient. Recreational and divertional therapies. Caring of patient with alteration in sensorium. Infection control: - Perform following Procedures: - Hand washing techniques, Simple, hand antisepsis and surgical antisepsis (scrub). Prepare isolation unit in lab / ward. Practice technique of wearing and removing Personal, protective equipment (PPE). Practice Standard safety Precautions (Universal, Precautions), Decontamination of equipment and unit: - Surgical asepsis; Sterilization, Handling sterilized equipment, Calculate strengths of lotions, Prepare lotions, Care of articles, Pre and post operative care: - Skin Preparations for surgery: Local, Preparation of post operative unit, Pre & Post operative teaching and counseling. Pre & Post operative monitoring. Care of the wound, Dressings, Suture Care, care of Drainage, Application of Bandages, Binders, splints & Slings. Bandages of venous body part. Administration of Medications: - Administer Medications in different forms and routes. Oral, Subcutaneous, Intramuscular etc. Parenteral: Intramuscular subcutaneous, Intramuscular etc. Assist with Intra venous medications, Drug measurements and dose calculations. Preparation of lotions and solutions. Administers topical applications. Insertion of drug into body cavity: Suppository & medicated packing etc. Instillation of Medicines and spray into Ear, Eye, Nose, and throat. Irrigations: - Eye, Ear, Bladder, vagina and moist. Care of dying patient: - Caring and packing of dead body. Counseling and supporting grieving relatives. Terminal care of the unit.

List of Clinical Assignments

1	Visit Reports - 5
2	Care plan – Medicine ward - 1
3	Care Plan – Surgery ward - 1
4	Care Plan – Orthopedic ward -1
4	Nursing Procedure Record
5	Daily Diary
6	Clinical Evaluation performance

SUBJECT: - PSYCHOLOGY

Placement: 1st Year

Sno.	Time (Hours)	Content
I	2	Introduction: - History and origin of science of Psychology, Definitions and scope of Psychology, Relevance to Nursing, Methods of Psychology, Develop strategies for effective implementation and communicate these constructs to an interdisciplinary audience through incorporation of EBNE
II	4	Biology of behavior: - Body mind relationship – Modulation process in Health and illness. Genetics and behavior: Heredity and environment, Brain and Behavior:

		Nervous system, Neurons and synapse. Association Cortex, Rt and Lt Hemispheres, Psychology of Sensations, Muscular and glandular controls of behavior. Nature of behavior of an organism / integrated responses. Discuss the nature of behavior of an organism using EBNE
III	20	Cognitive Processes: - Attention: - Types, determinants, Duration, and Degree, alterations. Perception: - Meaning, Principles, factors affecting, errors. Learning Nature: - Types, learner and learning, factors influencing, laws and theories, process, transfer, study habits. Memory: - Meaning, types, nature, factors influencing, development theories methods of memorizing and Forgetting. Thinking: - Types and levels, stages of development, Relationship with language and communication. Intelligence: - Meaning, Classification, Uses, theories. Aptitude: - Concept, types, Individual differences and variability. Psychometric assessments of cognitive, processes. Alterations in cognitive processes. Review literature and apply evidence-based studies to study cognitive processes, Applications
IV	8	Motivation and Emotional Processes: - Motivation: Meaning, Concepts, Types, Theories, Motives and behavior, Conflict and frustration, conflict resolution. Emotions & Stress: Emotion: - Definition, components, Changes in emotions, theories, emotional adjustments, emotions in health and illness. Stress: - Stressor, cycle, effect, adaptation & Coping, Attitude: - Meaning, nature, development, factors affecting. Behavior and attitudes. Attitudinal Change, Psychometric assessments of emotions and attitudes. Alterations in emotions, Applications. Incorporate evidence based education in studying emotional diseases
V	7	Motivation and Emotional Processes: - Motivation: Meaning, Concepts, Types, Theories, Motives and behavior, Conflict and frustration, conflict resolution. Emotions & Stress: Emotion: - Definition, components, Changes in emotions, theories, emotional adjustments, emotions in health and illness. Stress: - Stressor, cycle, effect, adaptation & Coping, Attitude: - Meaning, nature, development, factors affecting. Behavior and attitudes. Attitudinal Change, Psychometric assessments of emotions and attitudes. Alterations in emotions, Applications. Incorporate evidence based Education in studying emotional diseases
VI	7	Developmental Psychology: - Psychology of people at deferent ages from infancy to old age. Psychology of vulnerable individuals – Challenged, women, sick, etc. Psychology of groups.
VII	8	Mental hygiene and mental Health: - Concepts of mental hygiene and mental health. Characteristics of mentally healthy person. Warning signs of poor mental health, Promotive and Preventive mental health strategies and services. Ego Defense mechanisms and implications. Personal and social adjustments. Guidance and Counseling, Role of nurse, Incorporate evidence based education in studying mental hygiene.
VIII	4	Psychological assessment & tests: - Types, development, Characteristics, Principles, Uses, Interpretations, and role of nurse in psychological assessment. Identify plau for personal learning need using EBNE

SUBJECT: - MICROBIOLOGY

Placement: 1st Year


Sno.	Hrs		Content
	Th	Pr.	
I	5		Introduction: - Importance and relevance to nursing, Historical Perspective, Concepts and terminology, Principles of microbiology
II	10	4	General characteristics of Microbes: - Structure and classification of Microbes. Morphological types. Size and form of bacteria. Motility. Colonization, Growth and nutrition of microbes: Temperature, Moisture, Blood and body fluids, Laboratory methods for Identification of Micro - Organisms. Staining Techniques, Gram staining, Acid fast staining, Hanging drop preparation, Culture: Various Medias.
III	10	2	Infection Control: - Infection: Sources Portals of entry and exit, transmission. Asepsis, Disinfection: Types and methods. Sterilization: Types and Methods. Chemotherapy and antibiotics. Standard safety measures. Biomedical waste management. Role of nurse. Hospital acquired infection. Hospital infection control programme. Protocols, collection of samples, preparation of report and status of rate of infection in the unit/ hospital nurses' accountability, continuing education etc.
IV	12	4	Pathogenic organisms: - Micro-organisms : Cocci - gram positive and gram negative, Bacilli - gram positive and gram negative, Spirochaete, Mycoplasma, Rickettsiae, Chlamydiae, Viruses, Fungi - Superficial and Deep mycoses, Parasites, Rodents & vectors Characteristics, Source, Portal of entry, transmission of infection. Identification of disease producing micro - organisms Collection of various specimens.
V	8	4	Immunity: - Immunity - Types, Classification, Antigen and antibody reaction. Hypersensitivity - skin test, Sociological tests. Immunoprophylaxis : Vaccines & sera - Types & Classification, Storage and handling cold chain. Immunization for various diseases. Immunization Schedule.

SUBJECT: - INTRODUCTION TO COMPUTER

Placement: 1st Year

Sno.	Hrs		Content
	Th	Pr.	
I	3		Introduction: - Concepts of computers. Hardware and Software: trends and technology, Application of computers in nursing
II	6	20	Introduction to disk - operative system: - DOS, Windows (all version),

			Introduction : MS – Word, MS – Excel with pictorial presentation, MS – Access, MS – Power point
III	2	3	Multimedia: - types & uses - Computer aided teaching & testing.
IV	1	3	Use of Internet and: - e – mail
V	2	2	Statistical packages: - Types and their features.
VI	1	2	Hospital Management System: - Types and uses.



B.Sc. NURSING SECOND YEAR
SUBJECT: - SOCIOLOGY

Sno.	Time (Hours)	Content
I	1	Introduction: - Definition of Sociology, Nature and scope of the discipline. Importance and application of Sociology in Nursing.
II	3	Individual & Society: - Society and community. Nature of Society. Difference between Society and Community. Process of Socialization and individualization. Personal disorganization.
III	3	Culture: - Nature of Culture. Evolution of culture, Diversity and uniformity of culture Culture and socialization. Transcultural Society. Influence on health and disease.
IV	4	Social Groups and Processes: - The meaning and classification of groups. Primary & Secondary Groups, In - group V/s. Out - group, Class Tribe, Caste. Economic, Political, Religious groups, Mod, Crowd, Public and Audience Interaction & Social Processes. Co - operation, Competition, Conflict. Accommodation, Assimilation & Isolation.
V	6	Population: - Society and Population, Population distribution in India - Demographic characteristics. Malthusian theory of Populations. Population explosion in India and its impact on health status. Family welfare programme.
VI	5	Population: - Society and Population, Population distribution in India - Demographic characteristics. Malthusian theory of Populations. Population explosion in India and its impact on health status. Family welfare programme.
VII	7	Population: - Society and Population, Population distribution in India - Demographic characteristics. Malthusian theory of Populations. Population explosion in India and its impact on health status. Family welfare programme. health and health practices.
VIII	6	Types of Communities in India (Rural, Urban and Regional): - Features of village community & Characteristics Indian villages - Panchayat system, social dynamics. Community Development project & planning. Changes in Indian Rural Life. Availability of health facilities in rural and its impact on health and health practices. Urban - Community - features. The growth of cities: Urbanization and its impact on health and health practices. Major Urban problems - Urban Slums. Region: Problems and impact on Health

[Handwritten signature]

[Handwritten signature]

[Handwritten signature]

IX	4	Social Change: - Nature and process of Social Change. Factors influencing Social change: cultural change, Cultural lags. Introduction to Theories of social change: Linear, Cyclical, Marxian, And Functional. Role of nurse – Change agents.
X	4	Social organization and social system: - Social organization: elements, types, Democratic and authoritarian modes of participation, Voluntary associations, Social system: Definition and Types of social system, Role and status as structural elements of social system, Inter – relationship of institutions
XI	2	Social Control: - Nature and Process of social control. Political, Legal, Religious, Educational, Economic, Industrial and Technological systems, Norms & Values – Folkways & Mores Customs, Laws and fashion. Role of nurse
XII	15	Social Problems: - Social disorganization, Control & Planning: Poverty, housing, illiteracy, food supplies, prostitution, rights of women & children vulnerable groups: Elderly, handicapped, Minority groups and other marginalized groups, child labor, child abuse, delinquency and crime, substance abuse, HIV/AIDS. ➤ Social Welfare programmes in India. Role of nurse

SUBJECT: - PHARMACOLOGY

Placement: 2nd Year

Sno.	Time (Hours)	Content
I	3	Introduction to Pharmacology: - Definitions, Sources, Terminology used, Type: Classification, Pharamacodynamics: Action, Therapeutic, Adverse, toxic, Pharmacokinetics: absorption, distribution, excretion, Review: Routes and principles of administration of drugs. Indian Pharmacopoeia: Legal issues, Rational use of drugs, Principles of therapeutic, Research evidences on various dugs and its action.
II	6	Introduction to Pharmacology: - Definitions, Sources, Terminology used, Type: Classification, Pharamacodynamics: Action, Therapeutic, Adverse, toxic Pharmacokinetics: absorption, distribution, excretion, Review: Routes and principles of administration of drugs. Indian Pharmacopoeia: Legal issues, Rational use of drugs, Principles of therapeutic, Research evidences on various dugs and its action. Composition, action, dosage, route, indications, contraindication, drug, interactions, side effects, adverse effects, toxicity and role of nurse. Systematic review and analysis changes of cell structure in cancer
III	2	Pharmacology of commonly used antiseptics, disinfectants and insecticides: - Antiseptics; Composition, action, dosage, route, indications, contraindications, drug interactions, side effects, adverse effects, toxicity and role of nurse. Disinfectants, Insecticides, Search strategies on efficacy of antiseptics
IV	2	Pharmacology of commonly used antiseptics, disinfectants and insecticides: - Antiseptics; Composition, action, dosage, route, indications, contraindications, drug interactions, side effects, adverse effects, toxicity and role of nurse. Disinfectants,

		Insecticides, Search strategies on efficacy of antiseptics
V	2	Drugs used on Respiratory Systems: - Pharmacology of Commonly used: - Antiasthmatica, Mucolytics, Decongestants, Expectorants, Antitussives, Bronchodilators, Broncho constrictors, Antihistamines, Composition, action, dosage, route, indications, contraindications, drug interactions, side effects, adverse, effects, toxicity and role of nurse. Search strategy on efficacy of various drugs used on respiratory system.
VI	2	Drugs used on Urinary System: - Pharmacology of commonly used -Diuretics and antidiuretics, Urinary antiseptics, Cholinergic and anticholinergics, Acidifiers and alkalanizers, Composition, action, dosage, route, indications, contraindications, drug interactions, side effects, adverse, effects, toxicity and role of nurse. Search strategy on efficacy of various drugs used on Urinary system.
VII	4	Miscellaneous: - Drugs used in de - addiction, Drugs used in CPR and emergency, Vitamins and minerals, Immunosuppressant, Antidotes, Vaccines and sera
VIII	1	Drugs used on skin mucous membranes: - Topical application for skin, eye, ear, nose and buccal cavity antipruritics Composition, action, dosage, route, indications, contraindications, drug interactions, side effects, adverse effects, toxicity and role of nurse. Search strategy on efficacy of various drugs used on integumentary system.
IX	8	Drugs acting on Nervous system: - Basic & applied pharmacology of commonly used: Analgescics and anaesthetics, Analgesics, Non steroidal anti inflammatory, (NSAID) drugs, Antipyretics, <i>Hypnotics and Sedatives</i> , Opioids, Non - Opioids, Tranquilizers, General & local anesthetics, Gases: oxygen, nitrous oxide, carbon-dioxide. Cholinergic and anti - Cholinergics, Muscle relaxants, Major tranquilizers, Anti - psychotics, Anticonvulsants, Adrenergics, Noradrogenics, Mood stabilizers, Acetylcholine, Stimulants, Composition, action, dosage, route, indications, contraindications, drug interactions, side effects, adverse effects, toxicity and role of nurse. Search strategy on efficacy of various drugs used on Nervous system.
X	5	Cardiovascular Drugs: - Haematinics, Cardiotonics, Anti anginals, Anti - ypertensives & Vasodilators, Anti - arrhythmics, Plasma expanders, Coagulants & anticoagulants, Antiplatelets & thrombolytics, Hypolipidemics, Composition, action, dosage, route, indications, contraindications, drug interactions, side effects, adverse, effects, toxicity and role of nurse. Search strategy on efficacy of various drugs used on Cardiovascular system.
XI	4	Drugs used for hormonal disorders and supplementation, contraception and medical termination of pregnancy:- Insulins & Oral hypoglycemic, Thyroid supplements and suppressants, Steroids, Anabolics, Uterine stimulants and relaxants, Oral contraceptives, Other estrogen - Progesterone preparations, Corticotrophin & Gonadotropines, Adrenaline, Prostaglandins, Calcitonins, Calcium salts, Calcium, regulators, Composition, action, dosage, route, indications, contraindications, drug interactions, side effects, adverse effects, toxicity and role of nurse. Search strategy on efficacy of various hormonal injection used on hormonal disorders.
XII	6	Introduction to Drugs used in alternative systems of medicine: - Ayurveda, Homeopathy, Unani and Siddha etc. Search evidence on comparison of alternative

medicine with common medicine.

SUBJECT: - PATHOLOGY

Placement: 2nd Year

Sno.	Time (Hours)	Content
I	3	Introduction: - Importance of the study of pathology, Definition of terms, Methods and techniques, Cellular and Tissue changes. Infiltration and regeneration, Inflammations and Infections, Wound healing, Vascular changes, Cellular growth, Neoplasms: - Normal & Cancer cell, Benign and Malignant growths, In situ carcinoma, Disturbances of fluid and electrolyte imbalance, Research evidence on various cell and its structure
II	10+5(Pr)	Special Pathology: - Pathological changes in disease conditions of various systems. Respiratory tract, Tuberculosis, Bronchitis, Pleural effusion, and pneumonia. Lung abscess, emphysema, bronchiectasis. Bronchial asthma, chronic obstructive pulmonary disease & tumours. Cardio - vascular system: - Pericardial effusion, Rheumatic heart disease, Infective endocarditis, atherosclerosis, Ischemia, infarction & aneurysm. Gastro Intestinal Tract: - Peptic ulcer, typhoid, Carcinoma of GI tract - buccal, Esophageal, Gastric & intestinal, Liver, Gall bladder & pancreas: - Hepatitis, Chronic liver abscess, cirrhosis, Tumours of liver, gall bladder and pancreas. Cholecystitis, Kidneys & Urinary tract: - Glomerulonephritis, Pyelonephritis, Calculi, renal failure, renal carcinoma & cystitis. Male genital systems: - Cryptorchidism, testicular atrophy, Prostatic hyperplasia, carcinoma penis & prostate, Female genital systems: - Fibroids, Carcinoma cervix and Endometrium. Vesicular mole, Choriocarcinoma, Ectopic gestation, Ovarian cyst & tumours, Cancer Breast: - Central nervous System: - Hydrocephalus, Meningitis, encephalitis, Vascular disorders - thrombosis, embolism, Stroke, Paraplegia, quadriplegia Tumours, meningiomas - gliomas, Metastatic tumours: - Skeletal system: - Bone healing, osteoporosis, osteomyelitis. Arthritis & tumours: - Systematic review and analysis changes of cell structure in cancer
III	4+3 (p)	Clinical Pathology: - Various blood and bone marrow test in assessment and monitoring of disease conditions: - Hemoglobin, RBC, White cell & platelet counts, Bleeding time, clotting time and prothrombin time, Blood grouping and cross matching, Blood chemistry, Blood culture, Serological and immunological tests, Examination of Bone marrow. Methods of collections of blood specimen for various clinical pathology, biochemistry, microbiology tests, inference and normal values. Identifying the clinical abnormalities and searching the relevant database
IV	2+1(p)	Examination of body cavity fluids, transudates and exudates: The laboratories tests

		used in CSF analysis. Examination of other body cavity fluids, transudates and exudates – sputum wound discharge etc. Analysis of gastric and duodenal contents. Analysis of semen – sperm count, motility and morphology and their importance in infertility. Methods of collection of CSF and other cavity fluids, specimen for various clinical pathology, biochemistry, microbiology tests, inference and normal values. Appraising a clinical problem and formulating a question and searching the relevant database for the evidence.
V	1+1 (p)	Urine and faeces: - Urine: - Physical characteristics, Analysis, Culture and sensitivity, Faeces: - Characteristics, Stool examination: occult blood, ova, parasite and cyst, educing substance etc. Methods of collection for various tests, inference, and normal values. Evidence based protocols for various test.

SUBJECT: - GENETICS

Placement: 2nd Year

Sno.	Time (Hours)	Content
I	3	Introduction: - Practical application of genetics in Nursing. Impact of genetic condition on families. Review of cellular division mitosis and meiosis. Characteristics and structure of genes. Chromosomes –sex determination. Chromosomal aberrations patterns of inheritance. Mendalian theory of inheritance Multiple allots and blood groups. Sex linked inheritance, Mechanism of inheritance. Errors in transmission. (Mutation) Review evidence on cell division and abnormality.
II	3	Maternal, Prenatal and genetic influences on development of defects and diseases: - Conditions affecting the mother genetic and infections. Consanguinity atopy, Prenatal nutrition and food allergies. Maternal Age. Maternal drug therapy. Prenatal diagnosis. Effect of Radiation, drugs and chemicals. Infertility, Spontaneous abortion, Neural tube defects and the role of folic, acid in lowering the risks. Down syndrome (Trisomy 21) Search meta-analysis on Maternal, infection and birth defects
III	2	Genetic testing in the neonates and children: - Screening for: - Congenital abnormalities, Development delay. Dysmorphism. Evidence based protocols for various screening techniques.
IV	2	Genetic conditions of adolescents and adults: - Cancer genetics – Familial Cancer. Inborn errors of metabolism. Blood group alleles and hematological disorder. Genetics haemochromatosis. Huntington's disease. Mental illness. Systematic review and analysis changes of gene structure in cancer
V	5	Services related to Genetics: - Genetic testing, Human genome project. Gene therapy. The Eugenics movement. Genetic Counseling. Legal and Ethical issues Role of nurse. Search strategic to assess the effectiveness of Genetic counseling

SUBJECT: - MEDICAL SURGICAL NURSING - I

Placement: 2nd Year

Sno.	Time (Hours)	Content
I	15	Introduction – Introduction to Medical Surgical Nursing – Evolution & Trends of Medical & Surgical Nursing, Review of Concepts of health and illness disease-concepts causations, classification:- — International Classification of disease (ICD-10 or later Version), Acute illness chronic illness and terminal illness. Stages of illness. Review of Concepts of comprehensive Nursing care in Medical Surgical conditions based in nursing process. Role of nurses, patient and family in care of adult patient. Role and responsibilities of a nurse in different medical surgical setting. Out Patient Department, In Patient Unit, Intensive care Unit, Home and Community settings. Introduction to Medical Surgical a sepsis - Inflammation and infection, Immunity, Ward healing Care of Surgical Patient, Preoperative, Intra operative, Post Operative
II	15	Common signs and symptoms and management:- Fluid and electrolyte imbalance Must know, Vomiting Must know, Dyspnea, Cough and respiratory obstruction, Fever Must know, Shock Must know, Unconsciousness, Syncope, Pain, Incontinence, Edema, Age related problems – Geriatric, EBP: Systematic review and analysis of interventions for Shock
III	20	Nursing management of patients (adults including elderly) with respiratory problems. — Review of anatomy & physiology of respiratory systems. Nursing Assessment History and Physical assessment, Etiology, Pathophysiology clinical manifestations diagnosis treatment modalities and Medical, Surgical management of adults including elderly with: Upper respiratory treat infection. Bronchitis, Asthma, Emphysema, Atelectasis, Chronic obstructive pulmonary diseases (COPD), Bronchiectasis, Pneumonia, Pulmonary Tuberculosis, Lung abscess, Pleural effusion, Cysts and tumours, Chest injuries, Respiratory arrest and insufficiency, Pulmonary emboli sin, Special therapies, alter native therapies, Nursing Procedures, Drugs used in treatment of respiratory disorders. Research Evidence on interventions for respiratory disorders
IV	30	Nursing Management of patient (adults including elderly) with blood and cardiovascular problems:- Review of anatomy and physiology of blood and cardio vascular system. Nursing Assessment – History and Physical Assessment, Etiology, pathophysiology clinical manifestations, diagnostic, treatment modalities and medical and Nursing Management: Vascular System: Hypertension, Hypotension, Arteriosclerosis, Raynaud’s disease, Anurisum and peripheral vascular disorders. Heart — Coronary artery diseases, Ischemic heart disease, Coronary arthreosderosis, Angina pectoris, Myocardial infarction. Valvular disorders of the heart, Congenital and acquired, Rheumatic heart diseases, Endocarditic, pericarditis Myocarditis, Cardiomyopathies, Cardiac dysrhythmias heart block. Congestive cardiac failure, Cor–pulmonale, pulmonary edema, carcinogenic shock, cardiac tamponade. Cardiac emergencies and arres, Cardiac pulmonary resuscitation (CPR) Blood:- Anemia, Polycythemia, Bleeding disorders, clotting, factor defects and platelets defects, Thalassemia,



		Leucopenia, Leucopenia and agranulocytosis, Lymphomas, Myelomas, Special therapies — Blood transfusion, safety checks procedure of adverse transfusion reaction, records for blood transfusion, Management and counseling blood donors. Phlebotomy procedure and post donation management, Blood bank functioning and hospital transfusion, committee Bio safety waste management in relation to blood transfusion. Role of nurses in organ donation retrieval and banking Alternative therapies, Nursing procedure, Drugs used in treatment of blood & co system. Research evidence: interventions of Cardiovascular diseases, causes of heart attack, congenital heart disease, Evidence based theory on interventions of anemia.
V	10	Nursing management of patient (adult including elderly) with genitor – urinary problems. Review anatomy and physiology of genitor – urinary system. Nursing Assessment, Etiology, pathophysiology clinical manifestations diagnostic, treatment modalities and medical and Nursing Management: Nephritis, Nephritic syndrome, Nephrosis, Renal calculus, Tumours, Acute & chronic renal failure, Dialysis, renal failure, End stage, renal disease, Congenital disorders, urinary infection, Benign pros tale hypertrophy, Disorders of ureter, urinary bladder & urethra – inflammation, infection, stricture, obstruction, and tumour prostrate. Nursing procedure, Drugs used in treatment of genito urinary system. Research Evidence: interventions/management for urinary infections, renal calculi, PICO:- surgery vs transplantation.
VII	5	Nursing Management of disorders of male (adult including elderly) reproductive system. Review of Anatomy & Physiology of male reproductive system, Nursing Assessment – History and Physical Assessment, Etiology, pathophysiology clinical manifestations, diagnostic, treatment modalities and medical and Nursing Management: Congenital malformation cryptorchidism, Hipospadiasis, Epispadiasis, Infection Testis & adjacent structures / penis, Prostate inflammation, infection, hypertrophy, tumour. Renal dysfunction, Infertility, Contraception, Breast: Gynecomastia, tumour, Climatic Changes: - special therapies related to male reproductive system. Nursing procedure Drugs used in treatment of disorder of reproductive system, Evidence based protocols for syndromic case management
VIII	10	Nursing Management of patient with disorders of endocrine system. Review of Anatomy & Physiology of Endocrine system, Nursing Assessment – History and Physical Assessment, Etiology, pathophysiology clinical manifestations, diagnostic, treatment modalities and medical surgical dietetics and Nursing Management of: Disorders of thyroid and parathyroid, Diabetes mellitus, Diabetes insipidus, Adrenal tumour, Pituitary disorders, Special therapies and alternative therapies. Nursing procedure, Drugs used in treatment of disorder of endocrine system, Research Evidence: interventions of diabetes mellitus, Insulin Vs. Oral anti-diabetic drugs: PICO
IX	10	Nursing Management of patient (adult including elderly) with disorders of integumentary System. Review of Anatomy & Physiology of skin and its appendages: Nursing Assessment – History and Physical Assessment: - Etiology, pathophysiology clinical manifestations diagnostic, treatment modalities and medical surgical dietetics and Nursing Management of: - Disorders of skin & its appendages:- Lesions and abrasions Infection & infestations ; Dermatitis, Dermatoses, infection, non infections

		“inflammatory dermatoses”, Acne vulgaris, Allergies & Eczema, Psoriasis, Malignant Melanoma, Alopecia, Special therapies / alternative therapies, Drugs used in treatment of skin disorders. Research review on interventions for dermatitis. Systematic review and analysis of management of skin infections.
X	15	Nursing Management of patient (adult including elderly), with musculoskeletal problems. Review of Anatomy & Physiology of musculoskeletal system, Nursing Assessment – History and Physical Assessment, Etiology, pathophysiology clinical manifestations, diagnostic, treatment modalities and medical surgical, dietetics and Nursing Management of: Disorders of muscles, Ligaments and joints: – inflammation, infection, trauma. Bones: - inflammation, infection, dislocation fracture, tumour & trauma002E
XI	10	Nursing management of patient (adult including elderly) with immunological problems. Review of Immune system, Nursing Assessment – History and Physical Assessment Etiology, pathophysiology clinical manifestations diagnostic, treatment modalities and medical surgical dietetics and Nursing Management of: Immunodeficiency disorders. Primary Immunodeficiency, Phagocyte dysfunction, B. cell & T. cell deficiencies, Secondary Immunodeficiency. Acquired Immunodeficiency syndrome (AIDS), Incidence of HIV & AIDS, Epidemiology, Transfusion & its prevention, Standard safety precautions. Role of nurses: - Counseling, Health education and home care consideration, National AIDS control prog. – NACO various national and international agencies. Infection control program, Rehabilitation, Nursing Procedure, Drugs used in treatment of disorders of Immunological system. Research evidence for effectiveness of Antiretroviral drugs. PICO:- ART Vs ART with alternative therapy
XII	20	Nursing Management of patient (adult including elderly) with communicable diseases. — Overview of infectious disease, the infectious process — Nursing Assessment – History and Physical assessment — Epidemiology, infectious process, clinical manifestation, diagnosis, treatment prevention and dietetics. Control and eradication of common Communicable Diseases, Tuberculosis, Diarrheal diseases, Hepatitis A – E, Herpes, Chicken pox, Small pox, Typhoid, Meningitis, Gas gangrene, Leprosy, Dengue, Plague, Malaria, Diphtheria, Poliomyelitis, Measles, Mumps, Influenza, Tetanus, Yellow Fever, Filariasis, HIV / AIDS, Reproductive tract infections, Special infection control measures: Notification, Isolation, Quarantine, Immunization, Infectious disease hospitals. Special therapies, alt. therapies. Nursing Procedures, Drug used in treatment of Communicable diseases, Research evidence on interventions for prevention of Communicable diseases, Research Evidence: Effectiveness of Immunization on killer diseases.
XIII	25	Preoperative Nursing:- Organization & Physical set up of the (O.T.) Operation theater: Classifications Good to know, O.T. design Good to know, Staffing Good to know, Members of the O.T. team Good to know, Duties & responsibilities of nurses in O.T. Principles of health and operation Theater. Sutures & Suture materials, Equipments, O.T. Tables and sets for common Surgical, Positions and draping for common Surgical Nursing procedure. Scrubbing procedure, Gowning and gloving, Preparation and O.T. Sets. Monitoring the patient during surgical procedures. Maintenance of therapeutic





	improvement in O.T. Standard safety measures, Infection control, Bio medical waste management, Prevention of accidents and hazards in O.T. Anesthesia, Types 7 methods of administration. Effects & Stages, Equipments & Drugs, CPR, Pain management techniques, Legal Aspects.
--	---

SUBJECT: - MEDICAL SURGICAL NURSING – I (Practical)

PLACEMENT: - SECOND YEAR

Areas	Skills to be developed
General Medical Ward. (*Respiratory, GI, Endocrine, Renal, Hematology)	Assessment of the patient: - Taking history, Perform general and specific physical examination. Identify alterations and deviations. Practice medical surgical asepsis – Standard safety measures: - Administer medications: - Oral, IV, IM, Subcutaneous. IV therapy, IV canulation, Maintenance and monitoring, Oxygen therapy by different methods, Nebulization, Chest physiotherapy, Naso gastric feeding. Assist in common diagnostic, Perform / Assist in therapeutic procedures. Blood and component therapy, Throat Suctioning, Collect specimens for common investigations. Maintain elimination: - Catheterization, Bowel wash, Enema, Urinary drainage, Maintain Intake, Output and documentation. Counsel and teach related to specific disease conditions. Searching evidence for causes & interventions of diseases.
General Surgical Ward. (GI, Urinary, CTVS)	Practice medical surgical asepsis Standard safety measures, Pre operative preparation of patients. Post operative care Receiving pt, assessment, monitoring, care, Care of wounds and drainage, Suture removal, Ambulation and exercise, Nasogastric aspiration, Care of chest drainage, Ostomy care, Gastrostomy, Colostomy, Enterostomy, Blood and component therapy, Practice universal Precautions, Making search strategy for research evidence
Cardiology ward	Physical examination of the cardio vascular system Recording and interpreting ECG. Monitoring of patients, Preparation and assisting in non – invasive and invasive diagnostic procedures. Administer cardiac drugs. Cardio pulmonary Resuscitation, Teach patients and families, Practice medical and surgical asepsis Standard safety measures. Incorporating research evidence in cardiovascular nursing care.
Skin & Communicable diseases Ward.	Assessment of patients with skin disorders. Assist in diagnostic and therapeutic procedures, Administer topical medication, Practice medical surgical asepsis Standard safety measures. Use of personal protective equipment (PPE). Give Medicated baths. Counseling HIV positive patients. Teach prevention of infectious diseases. Developing an attitude for evidence based practice in skin disorders.
Orthopaedic ward	Assessment of orthopaedic patients, Assist in application of plaster cast and removal of cast. Apply skin traction buck's extension traction. Assist in application removal and prosthesis. Physiotherapy – Range of motion exercises, Crutch maneuvering technique. Activities of daily living. Ambulation, Teach and counsel patient and families. Developing search strategy for finding evidence on interventions of orthopedic disorders.

[Handwritten signatures and initials in blue ink]

Operation Theatre	Scrubbing, gowning, gloving, Identify instruments, suturing materials for common operations. Disinfection, Carbolization, fumigation, Preparation of instrument sets for common operations, Sterilization of sharps and their instruments, Prepare the OT table depending upon the operation, Positioning and monitoring of patients, Endotracheal intubations, Assisting in minor and major operation, Handling specimens, Disposal of waste as per the guidelines.
--------------------------	--

Internship

Time: 260 Hours (9 Weeks)

IVth year.

Areas	Skills to be developed
ICU, CCU, CARDI, AC OT	Assist in arterial puncture for blood gas analysis. Perform ECG and interpret accordingly. Conduct and analysis pulse oximetry. Care with artificial airway. Assist in endotracheal intubation. Setting up ventilator. Giving care in ventilator, Drug sheet. Observation of special procedure in OT. Developing Evidence based nursing practice
Neuro ICU, ITU, OT	Assess neurological status, Implement care to head injury spinal injury patient. Drug sheet, Pre and postoperative care with neuro surgery patients. Incorporating evidence based nursing care in neurological patients.
Burns and plastic Reconstructive surgery.	Nursing care – Analyzing research based evidence for burns patients.
OT Laproscopic, Orthopaedic, Eye, Ent.	Nursing care, Developing evidence based nursing practice.

List of Clinical Assignments

1. Report Writing - Operation Theatre, ICU, Cardiac Unit, Dialysis, Cath lab
2. Care plan – Medicine ward (5)
3. Care Plan – Surgery ward (5)
4. Case Study Medical (1)
5. Case Study Surgical (1)
7. Health Talk
8. Case Presentation Medical – Pertaining to disease
9. Case Presentation Surgical – Disease + Operation
10. Nursing Procedure -1

11. Witness Operation-
12. Daily Diary
13. Drug Profile
14. Articles Record

SUBJECT: - COMMUNITY HEALTH NURSING - I
Placement: 2nd Year

Sno.	Time (Hours)	Content
I	2	Introduction Distribution - Community health Nursing, Definition concepts are dimensions of health. Promotion of health, Maintenance of health
II	20	Introduction, Determination of health. Eugenics. Environment:- Physics, Air, Light, Ventilation, Water, Housing, Sanitation, Disposal of waste disposal of dead bodies, Pore station, Noise, Clinical, Communication: Infrastructure facilities and linkages. Acts regulating the environment national pollution control board, Bacterial and viral: Agents, host, carries and immunity. Arthropods and Rodent. Food hygiene: Production preservation, Purchase, Prevention & food Adulteration. Socio - Cultural: - Customs - taboos, Marriage System, Family Structure, Status of Special group"s females, Children, elderly challenged groups and cock person. Life style, Hygiene, Physical Activity, Recreation and Sleep, Sexual Life, Spiritual life philosophy, Self reliance, Dietary Pattern, Education, Occupation, Financial Management, Income, Budget, Purchasing Power, Security
III	10	Epidemiology - Definition, concept, aims, & cope, used and terminology used in epidemiology. Dynamics & disease, Tran & mission: epidemiologic triad. Morbidity and mortality measurements. Levels & Prevention. Methods & Epidemiology of ; Descriptive, Analytical, Experimental
IV	25	Epidemiology and Nursing management of common communicable discuses, — Respiratory infections, Small Pox, Chicken pox, Measles □ Influenza, Rubella, ARI & Pneumonia, Mumps, Diphtheria. Whooping cough, Meningococcal, meningitis, tuberculosis, SARS. Internal infections, Poliomyelitis, viral hepatitis, cholera, Diarrhoeal, Diseases, Typhoid fever, Food poisoning, Amoediasis, Hookworm, infestation Ascariasis, Dranculosis. Arthropod Infection, Dengue, malaria and filariasis. Zoo noses. Viral, Radies yellow fever, Japnese encephalitis, kyasnur forest disease. Bacterial, Brucellosis, Plague, Anthrox, Salmonellosis, Leprospirosis. Rickettsial diseases. Rickettsial Zoonoses, Scrub typhus, murine typhus, Ticktyphos & fever. Parasotic Zoo noses, Taeniasis, Hydatid diseases, Leishmamiiasis. Surface infection, Trachoma, tetanus, leprosy, STD & RTI, yaws, HIV, AIDS.

V	10	Epidemiology and Nursing management of non Communicable diseases. Malnutrition: under nutrition, over nutrition, nutritional deficiencies. Anemia, Hypertension, Stroke. — Rheumatic: Heart disease coronary heart disease, Cancer, diabetes mellitus, Blindness, Accidents, Mental illness, Obesity, Iodine, deficiency, Fluorosis.
VI	6	Demography - Definition, Concept and Scope. Methods of collection, Analysis and interpretation & graphical representation of data. Demographic rates and ratios
VII	17	Population & Control - Population explosion and its impact on social, economics, development of individual Society and Country. Population Controlling, Over all development, women empowerment Social, economic and educational development. Limiting family size, Promotion & Small family norm. Methods & family planning Sparing creatural, biological Chemical. Terminal Surgical Methods, Emergency Contraceptives.

Subject: - Community Health Nursing – I Practical

Placement: 2nd Year

Areas	Skills
Community Health Nursing.	Use Techniques of interpersonal relationship - Identification of health determinants of community. History of taking, Physical examination. Collect specimens-sputum, Malaria smear. Perform simple lab tests at center – blood for Haemoglobin and sugar, urine for albumin and sugar. Administer vaccines and medications to adults. Counsel and teach individual, family and community – Nutrition, Hygiene, health Monitoring, Seeking health services, Healthy life style, Family welfare methods, Health promotion

SUBJECT: - COMMUNICATION & EDUCATION TECHNOLOGY

Placement: 2nd Year

Sno.	Time (Hours)	Content
I	5	Review of Communication Process: - Process; elements and channel. Facilitators, Barriers and methods of overcoming, Techniques, Application of evidence-based nursing practice on barriers and methods of communication (Group assignment)
II	5	Interpersonal relations: - Purpose & types, Phases, Barriers & methods of overcoming, Johari window
III	5	Human relations: - Understanding self, Social behavior, motivation, social attitudes. Individual and groups, Groups & individual, Human relations in context of Nursing, Group dynamics, Team work, Incorporation of evidence-based nursing education in understanding human relation (Small group assignment)

✓ *Shalini* *Sh*

IV	10+5P	Guidance & counseling: - Definition, Purpose, scope and need, Basic principles, Organization of counseling services, Type of counseling approaches. Role and reparation of counselor, Issues for counseling in nursing: students and practitioners. Counseling process – steps & techniques, tools of counselor. Guidance & counseling: - Managing disciplinary problems, Management of crisis & referral, Develop and apply evidence- based, practice in guidance and counseling (Group interaction)
V	5	Principles of education & teaching learning process: - Education: meaning, philosophy, aims, functions & principles. Nature and characteristics of learning, Principles and maxims of teaching, Formulating objectives; general and specific. Lesson planning, Classroom management, Demonstrate evidence- based nursing in teaching learning process (Group assignment)
VI	10+10P	Methods of teaching: - Lecture, demonstration, group discussion, seminar symposium, panel discussion, role play, project, field trip, workshop, exhibition, programmed, instruction, computer assisted learning, micro teaching problem based learning, self instructional module and simulation etc. Clinical teaching methods: case methods, nursing rounds & reports, bedside clinic, conference (individual & group) process recording. Methods of teaching: - Demonstration of all methods of teaching, Develop and demonstrate the skills incorporating evidence- based nursing in methods of teaching (role play on different methods of teaching)
VII	10+8P	Methods of teaching: - Lecture, demonstration, group discussion, seminar symposium, panel discussion, role play, project, field trip, workshop, exhibition, programmed, instruction, computer assisted learning, micro teaching problem based learning, self instructional module and simulation etc. Clinical teaching methods: case methods, nursing rounds & reports, bedside clinic, conference (individual & group) process recording. Methods of teaching: - Demonstration of all methods of teaching, Develop and demonstrate the skills incorporating evidence- based nursing in methods of teaching (role play on different methods of teaching)
VIII	5+7P	Assessment: - Purpose & scope of evaluation & assessment. Criteria for selection of assessment techniques and methods. Assessment of knowledge: essay type questions, Short answer questions (SAQ), Multiple choice questions (MCQ), Assessment: - Assessment of skills: observation checklist, practical exam, Viva, Objective structured clinical examination (OSCE). Assessment of attitudes: Attitude scales. Apply evidence-based education in assessment techniques(Group demonstration)
IX	5	Information, Education & communication for health (IEC): - Health behavior & health education. Planning for health education. Health education with individuals, groups & communities. Communicating health messages. Methods & media for communicating health messages, Using mass media. Identify, demonstrate and practice of evidence- based nursing education in IEC(Group assignment)

B.Sc. NURSING THIRD YEAR

SUBJECT: - MEDICAL SURGICAL NURSING – II
(ADULT INCLUDING GERIATRICS)
Placement : 3rd Year

Sno.	Time (Hours)	Content
1	15	Nursing management of patient with disorders of Ear Nose and Throat: Review of anatomy and Physiology of the Ear Nose and Throat – Nursing Assessment – History and Physical assessment. Etiology, Pathophysiology, clinical manifestations, diagnosis. Treatment modalities and medical & surgical nursing management of Ear Nose and Throat disorders: External ear: deformities otalgia, foreign bodies, and tumours. Middle Ear – Impacted wax, Tympanic membrane perforation, otitis media, Otosclerosis, mastoiditis, tumours. Inner ear – Meniere's Disease, labyrinthitis, ototoxicity, tumours. Upper airway infection – Common cold, sinusitis and adenoiditis, peritonsillar abscess, laryngitis. Upper respiratory airway – epistaxis, Must know Nasal obstruction, laryngeal obstruction, cancer of the larynx, Cancer of the oral cavity, Speech defects and speech therapy. Deafness – Prevention, control and rehabilitation, Hearing Aids, implanted hearing devices, Special therapies Nursing Procedures, Drugs used in treatment of disorders of Ear Nose and Throat. Role of nurse Communicating with hearing impaired and muteness. Research evidence for management of patients with skin, ear, nose, throat infections

II	15	<p>Nursing Management of patient with disorders of eye: - Review of anatomy and physiology of the eye – Nursing Assessment – History and physical assessment Etiology, Pathophysiology, clinical manifestations, diagnosis, treatment modalities and medical & surgical nursing management of eye disorders: Refractive errors, Eyelids – infection, tumours and deformities, Conjunctiva – inflammation and infection, bleeding. Cornea – inflammation and infection, Lens – Cataracts, Glaucoma, Disorder of the uveal tract,</p> <p>Ocular tumours, Disorders of posterior chamber and retina: Retinal and vitreous problems. Retinal detachment, Ocular emergencies and their prevention. Blindness, National blindness control program, Eye Banking, Eye prostheses and Rehabilitation Role of a nurse – Communication with visually impaired patient, Eye camps Special therapies, Nursing Procedures, Drugs used in treatment of disorders of eye. Research evidence for interventions for eye disorders.</p>
III	16	<p>Nursing management of patient with neurological disorders: - Review of anatomy and physiology of the neurological system, Nursing Assessment – History and Physical and neurological assessment and Glasgow coma scale. Etiology, Pathophysiology, clinical manifestations, diagnosis, treatment modalities and medical & surgical nursing management of neurological disorders, Congenital malformation, Headache, Head Injuries, Spinal Injuries: Paraplegia, Hemiplegia, Quadraplegia, Spinal cord compression – herniation of intervertebral disc. Tumours of the brain & spinal cord,</p>

[Handwritten signature]

[Handwritten signature]

[Handwritten signature]

Operation Theatre	Scrubbing, gowning, gloving, Identify instruments, suturing materials for common operations. Disinfection, Carbolization, fumigation, Preparation of instrument sets for common operations, Sterilization of sharps and their instruments, Prepare the OT table depending upon the operation, Positioning and monitoring of patients, Endotracheal intubations, Assisting in minor and major operation. Handling specimens, Disposal of waste as per the guidelines.
--------------------------	--

[Handwritten signature]

[Handwritten signature]


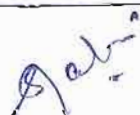
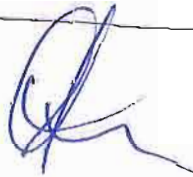
[Handwritten signature]

SUBJECT: - COMMUNITY HEALTH NURSING - I

Placement: 2nd Year

Sno.	Time (Hours)	Content
I	2	Introduction Distribution - Community health Nursing, Definition concepts are dimensions of health. Promotion of health, Maintenance of health
II	20	Introduction, Determination of health. Eugenics. Environment:- Physics, Air, Light, Ventilation, Water, Housing, Sanitation, Disposal of waste disposal of dead bodies, Pore station, Noise, Clinical, Communication: Infrastructure facilities and linkages. Acts regulating the environment national pollution control board, Bacterial and viral: Agents, host, carries and immunity. Arthropods and Rodent. Food hygiene: Production preservation, Purchase, Prevention & food Adulteration. Socio - Cultural: - Customs - taboos, Marriage System, Family Structure, Status of Special group's females, Children, elderly challenged groups and cock person. Life style, Hygiene, Physical Activity, Recreation and Sleep, Sexual Life, Spiritual life philosophy, Self reliance, Dietary Pattern, Education, Occupation, Financial Management, Income, Budget, Purchasing Power, Security
III	10	Epidemiology - Definition, concept, aims, & cope, used and terminology used in epidemiology. Dynamics & disease, Tran & mission: epidemiologic triad. Morbidity and mortality measurements. Levels & Prevention. Methods & Epidemiology of ; Descriptive, Analytical, Experimental
IV	25	Epidemiology and Nursing management of common communicable discuses, — Respiratory infections, Small Pox, Chicken pox, Measles □ Influenza, Rubella, ARI & Pneumonia, Mumps, Diphtheria. Whooping cough, Meningococcal, meningitis, tuberculosis, SARS. Internal infections, Poliomyelitis, viral hepatitis, cholera, Diarrhoeal, Diseases, Typhoid fever, Food poisoning, Amoediasis, Hookworm, infestation Ascariasis, Dranculosis. Arthropod Infection, Dengue, malaria and filariasis. Zoo noses. Viral, Radies yellow fever, Japnese encephalitis, kyasnur forest disease. Bacterial, Brucellosis, Plague, Anthrox, Salmonellosis, Leprospirosis. Rickettsial diseases. Rickettsial Zoonoses, Scrub typhus, murine typhus, Ticktyphos & fever. Parasotic Zoo noses, Taeniasis, Hydatid diseases, Leishmamiasis. Surface infection, Trachoma, tetanus, leprosy, STD & RTI, yaws, HIV, AIDS.

		Intra cranial and cerebral aneurysms, Infections: Meningitis, Encephalitis, Brain abscess, neurocysticercosis, Movement disorders, Chorea, Seizures, Epilepsies, Cerebro Vascular accidents (CVA) Must know, Cranial, Spinal Neuropathies – Bell's palsy, trigeminal neuralgia, Peripheral Neuropathies; Guillain – Barr'e Syndrome, Myasthenia gravis, Multiple sclerosis, Degenerative diseases, Delirium, Dementia, Alzheimer's disease, Parkinson's disease, Management of unconscious patient and patients, with stroke, Role of the nurse in communicating with patient having neurological deficit, Rehabilitation of patient with neurological deficit Role of nurse in long stay facility (institutions) and at home Special therapies Nursing Procedures Drugs used in treatment of neurological disorders. PICO on neurological problems, research evidence for interventions for CVA, CNS disorders, etc
IV	16	Nursing management of patient of patients with disorders of female reproductive: - Review of anatomy and physiology of the female reproductive system, Nursing Assessment – History and physical assessment, Breast Self Examination, Etiology, Pathophysiology, clinical manifestations, diagnosis, treatment modalities and medical & Surgical nursing management of disorders of female, reproductive system. Congenital abnormalities of female reproductive System. Sexuality and Reproductive Health, Sexual Health Assessment, Menstrual Disorders; Dysmenorrhea, Amenorrhea, Premenstrual Syndrome. Abnormal Uterine Bleeding; Menorrhagia, Metrorrhagia. Pelvic Inflammatory Disease – Ovarian and fallopian tube disorders; infection, cysts, tumours, Uterine and cervical disorders; Endometriosis, polyps, Fibroids, Cervical and uterine tumours, uterine displacement, Cystocele / Urethrocele / Rectocele. Vaginal disorders; Infections and Discharges, Fistulas, Valvur disorders; Infections, cysts, tumours, Diseases of breasts; Deformities, Infections, Cysts and tumours, Menopause and Hormonal Replacement Therapy, Infertility, Contraception; Types Methods, Risk and effectiveness, Spacing Methods, Barrier methods, Intra Uterine Devices, Hormonal, Post Conceptional Methods, etc. Terminal Methods Sterilization, Emergency Contraception methods. Abortion – Nature, Medical and Surgical abortion – MTP Act. Toxic Shock syndrome. Injuries and Trauma; sexual violence Special therapies Nursing Procedures Drugs used in treatment of gynecological disorders National family welfare programme. Research evidence for interventions for genital tract infections. Evidence based protocols for syndromic case management
V	10	Nursing management of patient with Burns, reconstructive and cosmetic surgery: - Review of anatomy and physiology of the skin and connective tissues and various deformities. Nursing Assessment – History and physical assessment and electrolyte loss. Etiology, Classification, Pathophysiology, clinical manifestations, diagnosis, treatment modalities and medical & Surgical nursing management of Burns and Re – constructive and Cosmetic surgery; Types of Re – constructive and Cosmetic Surgery; for burns, congenital deformities, injuries and cosmetic purposes. Role of Nurse, Legal aspects, Rehabilitation, Special therapies, Psycho social aspects, Nursing Procedures, Drugs used in treatment of Burns, Reconstructive and cosmetic surgery. Research evidence for management of burns patients Study on effectiveness of parkland formula
VI	10	Nursing management of patients with oncological conditions: - Structure &

		<p>characteristics of normal & cancer cells. Nursing assessment – History and physical assessment. Prevention, Screening, Early detection, Warning signs of cancer. Epidemiology, Etiology, Classification, pathophysiology, Staging, clinical manifestations, diagnosis, treatment modalities and medical & surgical nursing, management of oncological conditions. Common malignancies of various body systems; Oral, larynx, lung, Stomach and Colon, Liver, Leukemia's and lymphomas, Breast, Cervix, Ovary, Uterus, Sarcoma, Brain, Renal, Bladder, Prostate etc. Oncological emergencies, Modalities of treatment, Immunotherapy, Chemotherapy, Radiotherapy, Surgical Interventions, Stem cell and Bone marrow transplants, Gene therapy, Other forms of treatment, Psychosocial aspects of cancer, Rehabilitation, Palliative care; Symptom and pain Management, Nutritional support. Home care Hospital care, Stomal Therapy, Special therapies, Psycho social aspects, Nursing procedures, PICO: Radiation therapy Vs Chemotherapy, Research evidence on interventions of cancer</p>
VII	10	<p>Nursing management of patient in EMERGENCY & DISASTER situations: - Disaster Nursing: - Concepts and principles of Disaster Nursing, Causes and Types of Disaster: Natural and Man-made, Earthquakes, Floods, Epidemics, Cyclones, Fire, Explosion, Accidents, Violence, Terrorism; bio-chemical, War. Policies related to emergency / disaster management; International, national, state, institutional. Disaster Preparedness: Team, Guidelines, Protocols, equipments, Resources. Coordination and involvement of; Community, various govt. department, non-govt. Organizations and International agencies, Role of nurse: working, Legal Aspects of Disaster Nursing. Impact on Health and after effects; post Traumatic Stress Disorder. Rehabilitation; Physical, psychosocial, Financial, Relocation Emergency Nursing - Concept, Priorities, Principles and Scope of emergency nursing. Organization of emergency services: Physical setup, staffing, equipment and supplies, protocols, Concepts of triage and role of triage nurse. Coordination and involvement of different departments and facilities. Nursing Assessment – History and physical assessment, Etiology, Pathology, Clinical manifestations, diagnosis, treatment modalities and medical & Surgical nursing management of patient with medical and surgical Emergency. Principles of emergency management. Common Emergency, Respiratory Emergency, Cardiac Emergency, Shock and Haemorrhage Pain, Poly-Trauma, road accidents, crush injuries, wound, Bites, Poisoning; Food, Gas, Drugs & chemical poisoning, Seizures, Thermal Emergency; Heat stroke & Cold injuries,, Pediatric Emergency, Psychiatric Emergency, Obstetrical Emergency, Violence, Abuse, Sexual assault, Cardio Pulmonary Resuscitation, Crisis Intervention, Role of the nurses: Communication and Inter Personal Relations, Medico-Legal Aspects, Evidence based protocols for code blue/CPR</p>
VIII	10	<p>Nursing care of the elderly: - Nursing Assessment – History and Physical Assessment, Ageing, Demography; Myths and realities, Concepts and theories of ageing, Cognitive Aspects of Ageing, Normal biological ageing, Age related body, systems changes, Psychosocial aspects of aging, Medications and elderly, Stress & coping in older adults, Common Health Problems & Nursing Management;</p>

		Cardiovascular, Respiratory, Musculoskeletal, Endocrine, genito- urinary, gastrointestinal, Neurological, skin and other Sensory organs, Psychosocial and Sexual, Abuse of elderly, Role of nurse for care of elderly: ambulation, Nutritional, Communicational, Psychosocial and spiritual, Role of Nurse for caregivers of elderly, Role of family and formal and non formal caregivers. Use of aids and Prosthesis (hearing aids, dentures) Legal & Ethical Issues. Provisional and Programmes for elderly; Privileges, community Programs and health services; Home and instructional care. Research evidence on management of geriatric disorders
IX	10	Nursing management of patient in critical care units: - Nursing Assessment - History and Physical assessment- Classification, Principles of critical care nursing, Organization; Physical setup, Policies, staffing, norms, Protocols, equipments; ventilators, cardiac monitors, defibrillators, Resuscitation equipments, Infection Control Protocols, Nursing management of critically ill patient; Monitoring of critically ill patient, CPR – Advance Cardiac Life support, Treatments and procedures. Transitional care, Ethical and Legal aspects, Communication with patient and family, Intensive care records, Crisis Intervention, Death and Dying – coping with Drugs used in critical care unit, Evidence based protocols for CPR
X	8	Nursing management of patients adult including elderly with Occupational and Industrial disorders: - Nursing Assessment – History and Physical assessment. Etiology, Pathophysiology, Clinical manifestations, diagnosis, treatment modalities and medical & surgical nursing management of occupational and industrial health disorders, Role of nurse Special therapies, alternative therapies Nursing procedures Drugs used in treatment of Occupational and Industrial disorders. Research evidence on effectiveness of alternative therapies on occupational disorders

**SUBJECT: - MEDICAL SURGICAL NURSING – II (PRACTICAL)
(ADULT AND GERIATRICS)**

Placement: 3rd Year

Area	Skills to be developed
ENT	Perform examination of ear, nose and throat - Assist with diagnostic procedures, Assist with therapeutic procedures. Instillation of drops, Perform / assist with irrigations. Apply ear bandage, Perform tracheostomy care, Teach patient and families, Incorporating evidence based nursing care
Ophtha- mology	Perform examination of eye, Assist with diagnostic procedures, Assist with therapeutic procedures, Perform / assist with irrigations. Apply eye bandage, Apply eye drops / ointments, Assist with foreign body removal. Teach patients and families, Developing evidence based nursing practice
Neurology	Perform Neurological, Examination, Use Glasgow coma scale, Assist with diagnostic procedures, Assist with therapeutic procedures, Teach patient & families,

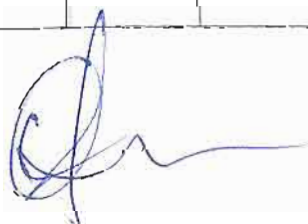
	Participate in rehabilitation program, Searching evidence for interventions of neurological disorders
Gynecology ward	Assist with gynecological – Examination, Assist with diagnostic procedures, Assist with therapeutic procedures, Teach patients families, Teaching self Breast Examination, Assist with PAP smear collection. Moulding the attitude of students towards evidenced based nursing care
Burns Unit	Assessment of the burns patient, Percentage of burns, Degree of burns, Fluid & Electrolyte replacement therapy, Assess, Calculate, Replace □ Assessment of the burns patient, Percentage of burns, Degree of burns, Fluid & Electrolyte replacement therapy, Assess, Calculate, Replace, Record intake / output, Care of burn wounds, Bathing, Dressing, Perform active & passive exercises, Practice medical & surgical asepsis, Counsel & Teach patients and families, Participate in rehabilitation program, Incorporating evidence based nursing care
Oncology Unit	Screen for common cancers – TNM Classification, Assist with diagnostic procedures, Biopsies, Pap smear, Bone marrow aspiration, Breast examination, Assist with therapeutic procedures, Participates in various modalities of treatment, Chemotherapy, Radiotherapy, Pain Management, Stomalthery, Hormonal therapy, Immuno therapy, Gene therapy, Alternative therapy, Participate in palliative care, Counsel and teach patient families, Self Breast Examination, Warning signs, Participate in rehabilitation program, Developing evidence based oncological nursing care
Critical care unit	Monitoring of patients in ICU, Maintain flow sheet, Care of patient on ventilators, Perform Endotracheal suction, Demonstrates use of ventilators, cardiac monitors etc. Collect specimens and interprets ABG analysis, Assist with arterial puncture, Maintain CPV line, , Pulse oximetry, CPR – ALS, Defibrillators, Pace makers, Bag – mask ventilation, Emergency trolley / trolley – Crash Cart, Administration of drugs, Total parenteral therapy, Chest physiotherapy, Perform active & passive exercises, Counsel the patient and family in dealing with grieving and bereavement, Following evidence based protocols for CPR
Casualty / Emergency	Practical „triage“, Assist with assessment, examination, investigations & their interpretations, in emergency and disaster situations, Assist in documentations, Assist in legal procedures in emergency unit, Participate in managing crowd, Counsel patient and families in grief and bereavement. Developing evidence based protocols and SOPs for emergency, care/procedures. Searching/analyzing the systematic review and analysis of research study selected for evidence

SUBJECT: - NURSING RESEARCH AND STATISTICS

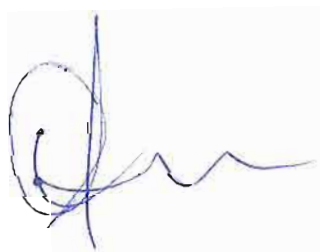
THEORY – 45 HOURS; PRACTICAL – 45 HOURS

PLACEMENT: - THIRD YEAR

Sno.	Time (Hours)	Content
I	4	Research & research Process:- Introduction & need for Nursing research, Definition of Research & Nursing research, Steps of Scientific method. Characteristics of good research. Steps of Research.
II	3	Research Problem / Question:- Identification of problem area. Problem Statement. Criteria of a good research Problem. Writing Objectives.
III	3	Research Problem / Question: - Identification of problem area. Problem Statement. Criteria of a good research Problem. Writing Objectives.
IV	4	Research approaches and designs:- Historical, Survey and experimental. Qualitative and Quantitative designs.
V	8	Sampling and data Collection:- Definition of Population, sample, Sampling criteria. Factors, influencing sampling process, types of sampling techniques. Data – way, what, from whom. when & where to collect. Data collection Methods and instruments. Method of data collection. Questioning, interviewing. Observations, record analysis & Measurement. Types of instrument. Validity & Reliability of the Instrument. Pilot Study. Data collection Procedure.
VI	4	Analysis of data:- Compilation, Tabulation, Classification, Summarization. Presentation. Interpretation of Data.



V	15	Introduction to Statistics:- Definition, use of statistics, scales of Measurement. Frequency distribution and graphical presentation of data. Mean, Median, Mode, Standard deviation. Normal probability and tests of significance. Co-efficient of correlation. Statistical packages and its application.
VI	4	Communication and Utilization of Research: - Communication of research findings. Verbal reports. Writing research report. Writing scientific article/Paper. Critical review published research, Utilization of research Findings. Assignments:- Writing research report and abstract. Writing foot notes and bibliography.



Placement: - Internship

Time: - 9 weeks (260 HOURS)

Placement: 3rd Year

Area	Skills
Medical Ward Surgical Ward Critical care unit / ICCU Casualty / Emergency Operation Theatre (Eye, ENT, Neuro)	Integrated Practice

List of Clinical Assignments

1 Reports

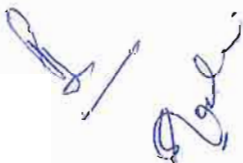
- ENT OT
- Burns OT
- Ophthalmic OT
- Disaster Nursing
- Critical care unit

- 2 Nursing Care Plan - (5)
- 4 Case Study - (2)
- 5 Clinical Presentation - (2)
- 5 Drug profile
- 6 Procedure - (1)
- 7 Health Talk - (1)
- 8 Daily Diary
- 9 Article Record



SUBJECT: - CHILD HEALTH NURSING (THEORY)Placement: 3rd Year

Sno.	Time (Hours)	Content
I	15	Introduction Modern concept of childcare: - Internationally accepted rights of the Child, National policy and legislations in relation to child health and welfare. National programmes related to child health and welfare. Changing trends in hospital care, preventive, promotive and curative aspects and mortality rates. Differences between an adult and child. Hospital environment for a sick child. Impact of hospitalization on the child and family. Grief and bereavement. The role of Child health nurse in caring for a hospitalized child. Principles of pre and post operative care of infants and children. Child health nursing procedures. Integrated, Incorporate evidence searching for recent and modern concept of child care (Group assignment)Practice
II	20	The health child: - Principles of growth and development. Factors affecting growth & development from birth to adolescence. Growth and development from birth to adolescence. The needs of normal children through the stage of developmental and parental guidance. Nutritional needs of children & infants: breast, feeding, exclusive breast feeding, supplementary / artificial feeding and weaning. Baby friendly hospital concepts prevention. Accidents: causes and prevention. Value of play and selection of play material. Preventive immunization, immunization programme and cold chain. Preventive pediatrics, Care of under five & under five clinics / well baby clinic. Searching of evidences related to concepts of growth and development. (Group assignment)
III	15	Nursing care of a neonate: - Nursing care of a normal newborn / essential newborn care. Neonatal resuscitation, Nursing management of a low birth weight baby. Kangaroo mother care. Nursing management of common neonatal disorders. Organization of neonatal unit. Identification & nursing management of common congenital malformations. Integration of evidence based nursing practice on the aspect of care of neonates (Group Presentation)
IV	10	Integrated management of neonatal and childhood illnesses(IMNCI): - Searching evidences for strategies of IMNCI (Group assignment)
V	10	Nursing management in common childhood diseases: - Nutritional deficiency disorders, Respiratory disorders and infections, Gastrointestinal infection, infestations and congenital disorders. Cardio vascular problem: congenital defects and rheumatic fever, rheumatic heart disease. Genito – urinary disorders: acute glomerulo nephritis, nephritic syndrome, Wilms tumor, infection and congenital disorders. Neurological infections and disorders: convulsions, epilepsy, meningitis, hydrocephalus, spina – bifida. Hematological disorders: Anemias, thalassemia, ITP, Leukemia, hemophilia, Endocrine disorders: juvenile Diabetes Mellitus, Orthopedic disorders: club feet, hip dislocation and fracture. Disorders of skin eye and ears. Common communicable diseases in children, their identification, nursing management in hospital and home



		and prevention. Child health emergencies: poisoning, foreign bodies, hemorrhage, burns and drowning. Nursing care of infant and children with HIV / AIDS. Searching and application of evidence based nursing management of children with systemic illness (Small group assignment)
VI	10	Management of behavioral & social problems in children: - Management of common behavioural disorders. Management of disorders psychiatric problems. Management of challenged children: Mentally, Physically, & socially challenged. Welfare service for challenged children in India. Child guidance clinics. Searching and application of evidence based nursing care of children with behavioral and social problems (Group assignment)

SUBJECT: - CHILD HEALTH NURSING (PRACTICAL)

PLACEMENT: - THIRD & FOURTH YEAR B. Sc. NURSING

Area	Skills to be developed
Pediatric Medical Ward	Taking Pediatric History. Physical examination and assessment of children, Administer of oral I/M & IV medicine/fluids, Calculation of fluids requirements, Prepare different strengths of I.V. fluids, Apply restraints, Administer O2 inhalation by different methods, Give baby bath, Feed children by katori, spoon, etc. Collect specimen for common investigations, Assist with common diagnostic procedures, Teach mother/Parents, Malnutrition, Oral rehydration therapy, Feeding & Weaning, Immunization schedule, Play therapy, Specific Disease conditions
Pediatric Surgery Ward	Calculate, Prepare and administer I/V fluids, Do bowel wash, Care for ostomies: Colostomy irrigation, Ureterostomy, Gastrostomy, Enterostomy, Urinary, catheterization and drainage, Feeding, Naso – gastric, Gastrostomy, Jejunostomy, Care of surgical wounds, Dressing, Suture removal
Pediatric OPD / Immunization room	Assessment of children, Health assessment, Development, Anthropometric assessment, Immunization, Health / Nutritional Education
Pediatric medicine and surgery ICU	Care of baby in incubator / warmer, Care of a child on ventilator, Endotracheal suction, Chest physiotherapy, Administer fluids with infusion pump, Total parenteral nutrition, Phototherapy, Monitoring of babies, Cardio pulmonary resuscitation.

Internship: -

Areas	Skills
Pediatric Medicine ward / ICU	▪ Integrated Practice
Pediatric Surgery Ward / ICU	▪ Integrated Practice
NICU	▪ Integrated Practice

List of Clinical Assignment

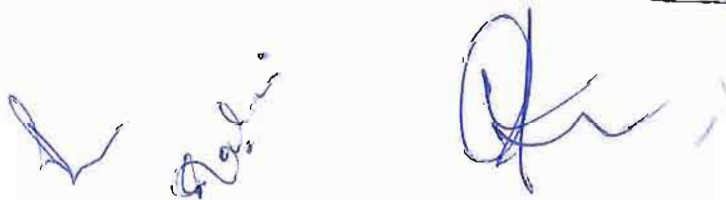
1	Reports <ul style="list-style-type: none">• Pediatric ICU• Immunization• NICU• OPD• OT
2	Nursing Care Plan – Pediatric Ward - (2)
3	Nursing Care Plan – NICU + PICU - (3)
4	Case Study - (2)
5	Clinical Presentation - (2)
6	Procedure - (2)
7	Health Talk - (1)
8	Daily Diary
9	Drug Book

SUBJECT: - MENTAL HEALTH NURSING (THEORY)

THEORY – 90 HOURS, PRACTICAL – 270 HOURS, INTERNSHIP – 95 HOURS

Placement: 3rd Year

Sno.	Time (Hours)	Content
I	5	Introduction: - Perspectives of Mental Health and Mental, Health Nursing: evolution Mental Health services, treatments and nursing practices. Prevalence and incidence of mental health problems and disorders. Mental Health Act. National Mental health policy vis a vis National Health Programme. National Mental Health Programme, Mental Health team, Nature and scope of mental health nursing. Role and functions of mental health nurse in various setting and factors affecting the level of nursing practice. Concepts of normal and abnormal Behavior. Evidence based Studies related to the effectiveness of mental health programme
II	5	Principles and Concepts of Mental Health Nursing: - Definition: Mental Health Nursing and terminology used. Classification of mental disorders: ICD. Review of personality development, defense mechanisms. Maladaptive behaviour of individuals



		and groups: stress, crisis and disaster(S), Etiology: Bio – psycho – social factors, Psychopathology of mental disorders: review of structure and function of brain, limbic system and abnormal neuro transmission, Principles of mental health Nursing, Standards of Mental Health Nursing, practice. Conceptual models and the role of nurse: Existential Model, Psycho – analytical models, Behaviour model, Interpersonal Model. Search systematic review on abnormal neurotransmission and Mental illness.
III	8	Assessment of mental health status: - History taking, Mental status examination, Mini mental status examination, Neurological examination: Review, Investigation: Related Blood chemistry, EEG, CT & MRI, Psychological tests Role and responsibilities of nurse. Application of Evidence based nursing practice in Mental status examination.
IV	6	Therapeutic communication and nurse – patient relationship: - Therapeutic communication: Types, techniques, characteristics. Types of relationship, Ethics and responsibilities, Elements of nurse patient contract, Review of technique of IPR – Johari Window, Goals, Phases, tasks, therapeutic techniques. Therapeutic impasse and its intervention. Incorporate Evidence based nursing practice on therapeutic communication
V	14	Treatment modalities and therapies used in Mental disorders: Psycho Pharmacology, Psychological therapies: Therapeutic community, psycho-analytical, cognitive and supportive, Family, Group, Behavioural, Play, Psycho-drama, Music, Dance, Recreational and Light therapy, Relaxation therapies: Yoga, Meditation, bio feedback. Alternative systems of medicine. Occupational therapy, Physical Therapy: electro convulsive therapy. Geriatric considerations, Role of nurse in above therapies. Application of Evidence based nursing practice on various treatment modalities.
VI	5	Nursing management of patient with Schizophrenia, and other psychotic Disorders: - Classification ICD, Etiology, Psycho – Pathology, types, clinical manifestations, diagnosis. Nursing Assessment – History, Physical and mental assessment. Treatment modalities and nursing, management of patients with Schizophrenia and other psychotic disorders. Geriatric considerations. Follow – up and home care and rehabilitation. Application of Evidence based nursing practice on management of patient with schizophrenia.
VII	5	Nursing management of patient with mood disorders: - Mood disorders: Bipolar affective disorders, Mania depression and dysthymia etc. Etiology, Psycho – pathology , Clinical manifestations, diagnosis. Nursing Assessment – History Physical and mental assessment. Treatment modalities and nursing management of patients with mood disorders. Geriatric considerations. Follow – up and home care and rehabilitation. Application of Evidence based nursing practice on management of patient with mood disorder
VIII	8	Nursing management of patient with neurotic, stress related and somatization disorders: - Anxiety disorders, Phobias, Dissociation and Conversion disorder , Obsessive compulsive disorders, post traumatic stress disorder, Etiology, psycho – pathology , clinical manifestations, diagnosis. Nursing Assessment – History, physical and mental assessment. Treatment modalities and nursing management of patients with

		neurotic, stress related and somatization disorders. Geriatric considerations. Follow – up and home care and rehabilitation. Application of Evidence based nursing practice on management of patient with anxiety and neurotic disorders.
IX	5	Nursing management of patient with Substance use disorders: - Commonly used psychotropic substance: Classification, forms, routes, action, intoxication and withdrawal, Etiology of dependence: tolerance, Psychological and physical dependence withdrawal syndrome, diagnosis, Nursing Assessment – History, Physical, mental assessment and drug assay. Treatment (detoxification, antagonist therapy and harm reduction) and nursing management of patient with substance use disorders. Geriatric considerations, Follow – up and home care and rehabilitation. Incorporate the vidence based nursing practice on management of patient with Substance abuse disorder.
X	4	Nursing management of patient with Personality, Sexual and Eating disorders: - Classification of disorders, Etiology, Psycho-pathology , characteristics, diagnosis, Nursing Assessment-History, Physical and mental assessment, Treatment modalities and nursing management of patients with personality, Sexual and Eating disorders, Geriatric considerations, Follow-up and home care and rehabilitation, Apply Meta analysis studies to implement effective nursing care on Personality, Sexual and eating disorder patients
XI	6	Nursing Management of childhood and adolescent disorders including mental deficiency: - Classification, Etiology, Psycho-pathology, characteristics, diagnosis Nursing Assessment-History, Physical, mental and IQ assessment, Treatment modalities and nursing management of childhood disorders including mental deficiency ➤ Follow-up and home care and rehabilitation, Identify the linkages between clinical practice, research and theory.
XII	5	Nursing management of organic brain disorders:- Classification: ICD? Etiology, Psycho-pathology, clinical features, diagnosis and Differential diagnosis (Parkinsons and Alzheimers), Nursing Assessment-history physical, mental and neurological assessment, Treatment modalities and nursing management of organic brain disorders, Geriatric considerations, Follow-up and home care and rehabilitation, Access current and relevant studies needed to address the effective nursing practice on patient with Organic brain disorder.
XIII	6	Psychiatric emergencies and carry out crisis intervention: - Types of psychiatric emergencies and their management. Stress adaptation Model: stress and stressor, coping, resources and mechanism, Grief: Theories of grieving process, principles, techniques of counseling, Types of crisis, Crisis Intervention: Principles, Techniques and Process, Geriatric considerations, Role and responsibilities of nurse. Disseminating Evidence based research Projects on treatment of person with stress.
XIV	4	Legal issue in Mental Health Nursing: - The Mental Health Act 1987: Act, Sections, Articles and their implications etc. Indian Lunacy Act. 1912, Rights of mentally ill clients, Forensic psychiatry, Acts related to narcotic and psychotropic substances and illegal drug trafficking. Admission and discharge procedures, Role and responsibilities of nurse. Finding and Critiquing Evidence regarding legal aspects in mental health Nursing.

xv	4	Community Mental Health Nursing: - Development of Community Mental Health Services. National Mental Health Programme, Institutionalization Versus Deinstitutionalization, Model of Preventive psychiatry: Levels of Prevention, Mental Health Services available at the primary, secondary, tertiary levels including rehabilitees and role of nurse. Mental Health Agencies: Government and Voluntary, National and International, Mental Health Nursing issues for special populations: Children, Adolescence, Women, Elderly, Victims of violence and abuse, Handicapped, HIV / AIDS etc. Searching Studies related to effectiveness of levels of prevention in community Mental health Nursing.
----	---	---

SUBJECT: - MENTAL HEALTH NURSING (PRACTICAL)

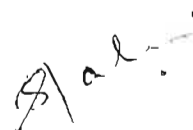
PLACEMENT: - THIRD YEAR B. Sc. NURSING

Area	Skills to be developed
Psychiatric OPD	History taking, Perform mental status examination (MSE), Assist in Psychometric assessment, Perform Neurological examination, Observe and assist in therapies, Teach patients and family members
Child Guidance clinic	History taking, Assist in Psychometric assessment, Observe and assist in various therapies, Teach family & significant others
Impatient ward	History taking, Perform mental status examination (MSE), Perform Neurological examination, Assist in Psychometric assessment, Record therapeutic communication, Administer medications, Assist in Electro convulsive Therapy (ECT), Participate in all therapies, Prepare patients for Activity of Daily living (ADL), Conduct admission and discharge counseling, Counsel and teach patients and families
Community psychiatry	Conduct case work - Identify individuals with mental health problems, Assists in mental health camps and clinics, Counsel and Teach family members, patients and community

Internship: -

Areas	Skills
Psychiatry ward	▪ Integrated Practice





List of Clinical Assignments

1	Reports • Psychiatric Ward • ECT • Occupational Therapy
2	Nursing Care Plan – Psychiatric Ward - (5)
3	Case Study - (2)
4	Clinical Presentation - (2)
5	History taking - (2)
6	Mental Status Examination- (2)
7	Process Recording - (2)
8	Health Talk
9	Daily Diary
10	Drug Book

**SUBJECT: - MIDWIFERY AND OBSTETRICAL NURSING
(THEORY)**

THEORY – 45 HOURS, PRACTICAL – 180 HOURS

Placement: 3rd Year

Sno.	Time (Hours)	Content
I	4	Introduction to Midwifery and obstetrical nursing: - Introduction to concepts of midwifery and obstetrical nursing. Trends in midwifery and obstetrical nursing, Historical perspective 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, Identify and apply the knowledge of evidence based nursing in midwifery practices (Group assignments)
II	8	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 umbilical chord, Foetal circulation, foetal skull, bones, sutures and measurements. Review of Genetics. Use

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

INTERNSHIP OBSTETRICAL NURSING: -

Areas	Skills
Labor ward Neonatal intensive care unit / NICU Antenatal	<ul style="list-style-type: none"> ▪ Integrated Practice

List of assignments

1	Report Writing <ul style="list-style-type: none"> • Labour Room • MTP • Gyneac OT • Antenatal OPD
2	Trolley Presentation for LSCS
3	Care plan – Antenatal - (2)
4	Care plan – Intranatal - (2)
5	Care Plan – Postnatal - (2)
6	Care plan – New Born - (2)
7	Case Study - (2)
8	Case book
9	Clinical Presentation- (2)
10	Procedure- (1)
11	Health talk - (1)
12	Daily Diary
13	Drug Book

[Handwritten signature]

[Handwritten signature]

[Handwritten signature]

B.Sc. NURSING FOURTH YEAR

SUBJECT: - COMMUNITY HEALTH NURSING – II

THEORY – 90 HOURS, PRACTICAL – 135 HOURS, INTERNSHIP – 195 HOURS

Sno	Time (Hours)	Content
I	4	Introduction to Management in Nursing: - Distribution - Definition, concept & scope of Community Health and Community Health Nursing, Historical development of Community Health, Community Health Nursing, Pre – independence G, Post – independence
II	6	Health planning and policies and problems: - National health planning in India five Year plans 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 health policies (1983, 2002), National population policy, Health problems in India.
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 center / sub divisional, Hospitals, District, State, Centre, Urban: Organization, staffing and functions of Urban health services provided by government at: Slums, Dispensaries, Maternal and child health centre, Special Clinics, Hospitals, Corporation / Municipality / Board, Components of health services, Environmental sanitation, Health Education, Vital statistics, M.C.H. antenatal, Natal, postnatal, MTP Act, female feticide act, child adoption act, Family Welfare, National health programmes, School health services, Occupation health, Defense 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 etc. Referral system
IV	25	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 & reports, Training and supervision of various categories of health workers, National Health Programmes, Environmental sanitation, Maternal and 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
V	15	Assisting individuals and groups to promote and maintain their health: - Empowerment for self care of individuals, families and groups in – A. Assessment of self and family, Monitoring growth and development, Mile stone, 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 B. Seek health services for - Routine checkup, Immunization, Counseling, Diagnosis, Treatment, Follow up C. Maintenance of health records for self and family, D. Continue medical care and follow up in community, for various diseases and disabilities, E. Carryout therapeutic procedures as prescribed /required for self and family, F. Waste Management, Collection and disposable of waste at home and community, G. 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 H. Utilize community resources for self and family, Trauma services, Old age homes, Orphanage, Homes for Physically and mentally challenged, individuals mentally challenged individuals, Homes for destitute
VI	20	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 on immunization National family Welfare Programme RCH, programme historical development, organization, administration, research, constraints. National water supply and sanitation programme, Minimum Need programme, National Diabetics control programme, Polio Eradication: Pulse polio Programme, National Cancer Control Programme, Yaws Eradication Programme, National Nutritional Anemia Prophylaxis Programme, 20 point programme, ICDS programme, Mid – Day meal applied nutritional programme, National mental health programme, Health schemes, ESI, CGHS, Health insurance
VII	5	Health Agencies International – WHO, UNFPA, UNDP, World Bank, FAO, UNICEF, DANIDA, European Commission (EC), Red cross, USAID, INESCO, 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 Kusht Nivaran Sangh, Central Social Welfare Board, All India n women’s conference, Blind Association of India etc.

SUBJECT: - COMMUNITY HEALTH NURSING - II (PRACTICAL)

PLACEMENT: - FOURTH YEAR

PRACTICAL – 135 HOURS, INTERNSHIP – 195 HOURS

Area	Skills to be developed
Community Health Nursing	Community health survey - Community diagnosis, Family care: Home adaptation of common procedures, Home visit: Bag technique, Organize and conduct clinics antenatal, well baby clinic, camps etc. Screen manage and referrals for: - High risk mothers and neonates, Accidents and emergencies, Illnesses: Physical and mental, Disabilities, Conduct delivery at centre / home: episiotomy and suturing, Resuscitate newborn, School health programme, Screen, manage refer children, Collaborate with health and allied agencies, Train and Supervise health workers, Provide family welfare services: insertion of IUD, Counsel and teach individual, family and community, about: HIC, 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 centre, disease, national health programme / projects.

Placement: - Internship Time: - 4 Week

Areas	Skills
Urban	▪ Integrated Practice and group project – I in each rural and Urban.

List of Assignments

1. Survey: Family folder - (2 family)
Family care study- (1)
Family roster - (2 families)
2. Procedure: vital signs, urine sugar & albumin, medication, malaria smear, & sputum collection. - (1)
3. Health talk - (1)
4. Administration of vaccines.
5. Administration of medications.
6. Health promotional (counseling session): - nutrition, hygiene, family planning.
7. Records & reports.
8. Daily diary.

	UTI, Thrombo-Embolic disorders, post-partum hemorrhage, Eclampsia and sub involution, Psychological complication: Post partum Blues, Post partum Depression, Post partum Psychosis, Incorporate and utilize evidence based nursing literature in management of abnormalities during Postnatal Period.(group presentation)
--	---

SUBJECT: - MIDWIFERY AND OBSTETRICAL NURSING

(PRACTICAL)

PLACEMENT: - THIRD & FOURTH YEAR B. Sc. NURSING

PRACTICAL – 180 HOURS, INTERNSHIP – 240 HOURS

Area	Skills to be developed
Antenatal clinic / OPD	Antenatal history taking, Physical examination, Recording of weight & B.P., HB & 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, Pervaginal examinations and interpretation, Monitoring and caring of woman in labour, Maintenance of partograph, Conduct normal delivery, Newborn assessment and immediate care, Resuscitation of newborns, Assessment of risk status of newborn, Episiotomy and suturing, Maintenance of labour and birth records, Arrange for and assist with Caesarean section and care for woman & baby, during 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 postnatal mother and baby, Perineal care, Lactation Management, Breast feeding, Baby bath, Immunization, Teaching postnatal mother: Mother craft, Post natal care & Exercises, Immunization
Newborn nursery	New born assessment, Admission of neonates, Feeding of at risk neonates, Katori spoon, paladin, tube feeding, total parenteral nutrition, Thermal management of neonates – kangaroo mother care, care of baby in incubator, Monitoring and care of neonates, Administering medications, Intravenous therapy, Assisting with diagnostic procedure, Assisting with exchange transfusion, Care of baby on ventilator, Phototherapy, Infection control protocols in the nursery, Teaching and counseling of parents, Neonatal records.

		evidences in understanding of anatomy and physiology of female reproductive system and fetal development (group Demonstration)
III	8	Assessment and management of pregnancy (ante – natal): Normal pregnancy, Physiological changes during pregnancy, Reproductive system, Cardio vascular System, Respiratory system, Urinary system, Gastro intestinal system, Metabolic 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 fetus 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; ultrasonic, cardio tomography, NST, CST, 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, Exercise evidence based nursing in assessment and management of antenatal mothers (group demonstration)
IV	12	Assessment and Management of intra – natal period: - Physiology of labour, mechanism of labour, Management of labour, First stage , Signs and symptoms of onset of labour; normal and abnormal, Duration, Preparation of, Labour room, Woman, Assessment and observation of woman 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 perineum, Maintaining records and reports, Fourth Stage, Exercise evidence based practices in assessment and management of intranatal mothers (Group Demonstration & Presentation)
V	6	Assessment and management of normal neonates: - Normal Neonate: Physiological adaptation, Initial & Daily assessment, Essential newborn care; Thermal control, Breast feeding, prevention of infections. Immunization, Minor disorders of newborn and its management, Levels of neonatal care (level I, II, & III), At primary, secondary and tertiary levels, Maintenance of reports and Records, Search and apply evidence based nursing skills in the care of normal neonates (group demonstration)
VI	7	Abnormalities during Postnatal Periods: - Assessment and management of woman with postnatal complications, Puerperal infections, breast engorgement & infections,

		bargaining, Membership with Professional, Organizations, national & International. Participation in research activities. Publications, Journals, News Papers etc. Assignments:- Organizational Chart (Hospital & College) – One Staff Duty Planning – One Project on In Service education or Other (Group work) – One Requisition for indents – Drugs, diet, equipments & Supplies. – One. Clinical Teaching – Two Practice Teaching – Two.
--	--	---

SUBJECT: - MIDWIFERY AND OBSTETRICAL NURSING)

PLACEMENT: - FOURTH YEAR B. Sc. NURSING

PRACTICAL – 180 HOURS, Theory – 45 HOURS

Sno.	Time (Hours)	Content
I	10	High-risk pregnancy assessment and management, Screening and assessment. ultrasonic, cardiotomography, NST, CST, non-invasive and vasive, newer modalities of diagnosis, High risk approach, Level of care, primary, secondary and tertiary levels, Disorders of pregnancy – Hyperemesis, gravidarul, bleeding in early pregnancy, abortion, ectopic pregnancy, vasicular mole, ante-partum haemorrhage, Uterin abnormality and displacement, Diseases complicating pregnancy, medical and surgical conditions, Infections, RTI(STD), UTI, HIV, TORCH, Gynaecological diseases complicating pregnancy, Pregnancy induced hypertension and diabetes, toxemia of pregnancy. Hydramnios, Rh incompatibility, mental disorders, Adolescent pregnancy, Elderly Primi and grand multipara, Multiple pregnancy, Abnormalities of placenta and cord, Intra uterin growth retardation, Nursing management mothers with high risk pregnancy. maintenance of records and report.
II	10	Abnormal Labour – assessment & Management, Disprders in labour, CPD and contraded pelvis, Malposition and malpresentation, Premature labour, disorders of uterine actions-precipitate labour, prolonged labour, Complication of third stage injuries to birth canal, Obstetrical emergencies and their management. Presentation and prolapsed of cord, vasa praevia, amniotic fluid embolism, rupture of uterus, shoulder dystocia, obstetrical shock, Obstetrical procedure and operations, Inducation of labour, forceps, vacuum version manual removal of placenta, caesarean section, destructive operations, Nursing management of women undergoing Obestetrical operations and procedure
III	3	Abnormalities during Postnatal Periods – Assessment and management of woman with postnatal complications, Puerperal infections, breast engorgement and infections, UTI, thrombo-Embolic disorders, postpartum haemorrhage, Eslampsia and sub-involution, Psychological complications, Post- partum Blues, Post-partum Depression, Post-partum Psychosis.
IV	8	Assessment and management of High risk new born – Admission of neonates in 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, Organisation and management of neonatal intensive care units, Infection control in neonatal intensive care units, Maintenance of reports and records
V	4	Pharmaco therapeutics in obstetrics - indication, dosage, action, contraindications and side effects of drugs, effect of drug on pregnancy, labour and puerperium, Nursing responsibilities in the administration of drug, in obstetrics oxytocins, anti hypertensives, diuretics, tocolytic agents, anticonvulsants, Analgesics and anaesthetics in obstetrics, Effects of maternal medication foetus and neonate
VI	10	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 motherhood, Organisation and administration at national, state, district, block and village levels, methods of contraception: spacing, temporary and permanent emergency contraception, infertility and its management, counselling for family welfare, latest research in contraception, maintenance of vital statistics, role of national, international and voluntary organisations, Role of a nurse in family welfare programme. Training/supervision/collaboration with other functionaries in community like ANMs. LHV's, Anganvadi workers, TBAs(Traditional birth attendant Dai)

Internship(Integrated Practice)

S.no	Subject	Practical (in Hrs)	In Weeks
1.	Midwifery & Obstetrical Nursing	240	5
2.	Community Health Nursing -- II	195	4
3.	Medical Surgical Nursing (Adult & Geriatrics)	430	9
4.	Child Health Nursing	145	3
5.	Mental Health Nursing	95	2
6.	Research Project	45	1
Total Hours		1150	24




Reference Books: -

Subject : Biochemistry: -

- Text Book Biochemistry – M.N.Chaterjee & Rana Sinde J.P. Brothers Publication
- U. Satyanarayan, Books & Allied Pvt. Ltd. Kolkata
- Harpar Biochemistry, Prentice Hall International INC. London U.K
- Biochemistry for Nurses – Manoj K. Sharma, Kumar Publication House, Delhi
- Fundamental of Biochemistry - J.L Jain, S. Chand - G Pvt. Ltd New Delhi

Subject : Nursing Fundamental : -

- Fundamental of Nursing – Potter & Perry - Reed Elsevier Pub. Pvt. Ltd New Delhi
- Principle & Practice of Nursing – Sr. Cecy Corries J.P. Bros. Med. Publication New Delhi
- Principle & Practice of Nursing – Sr Nancy – N. R. Publication House
- Basic Nursing Theory & Practical – Botter & Perry – Mosby Year Book – St. Louis, Missouri
- Fundamental of Nursing Procedure Manual – C.P. Threyshyam – J.P. Bros. Med. Publication New Delhi
- Fundamental of Nursing – B.T. Basavathappa J.P. Bros. Med. Publication New Delhi
- Fundamental of Nursing – Brenda Goodner - Mosby Year Book – St. Louis, Missouri

Subject: Psychology: -

- Element of Psychology – B.D. Bhatiyе – Oriental Iougma Hyderabad.
- Psychology for Nurses - R.Shreevani - J.P. Bros. Med. Publication New Delhi
- Psychology for Nurses – Hanish K. Sharma – Lotus Pub. Jalandhar
- General Psychology – H.R. Bhatiyе – Oxford & I.B.H Pub New Delhi
- Psychology for Graduate Nurses – R. G. Konnur - J.P. Bros. Med. Publication New Delhi
- Text Book of Psychology & Sociology – Navdeep Bansal - J.P. Bros. Med. Publication New Delhi
- Psychology & Sociology – Jacob - J.P. Bros. Med. Publication New Delhi

Subject: Anatomy

- Human Anatomy & Physiology – EN. Mariev – The Benjamin Company Publication, California
- Brenna H. Mayer – Spring House Co. USA
- Ross & Wilson – Elsevier Churchill Livingstone Publication London, U.K.
- G.J. Tortora, John Wiley & Sons Publication Limited, Newzeland
- R.R.Seeley & Others - Mosby Year Book – St. Louis, Missouri
- Kent M. Vande Graff – McGraw Hill Publication Company Ltd. New Delhi
- B. D. Chanrsya - CBS Publication, New Delhi

Subject : Physiology

- Human Physiology – C.C. Chatterjee, Medical Allied Agency, Kolkata
- Human Physiology – Vidya Vatan, - J.P. Bros. Med. Publication New Delhi
- Text Book of Physiology - Prof. A.K. Jain – Avichal Publication Co. Himachal Pradesh
- Applied Physiology – Guyton & Hall, Reed Elsevier India Pvt. Ltd

Subject : Nutrition: -

- Jacob Anthikad- J.P. Publication
- Nutrition & Therapeutic Diet – T.K.Indrani – J.P.Publication
- Darshan Soni- J.P.Publication, New Delhi
- Nutrition Seerut – Felicia Bush, John Villa Sons.in
- Element of Nutrition: Darshan Soni, S. Vikas & Company Medical Publication Jalandhar

Subject: Medical Surgical Nursing:-

- Medical Surgical Nursing A Nursing Process Approach – M.L.Workman – W.B. Saunders Co.
- Basic Medical Surgical Nursing – M.A. Mason & G.F. Bater - McGraw Hill Publication Company Ltd. New Delhi
- Critical Thinking in Medical Surgical Nursing – M.L. Winningham – Mosby Year Book
- Medical Surgical Nursing Certification – J. Munden- Lippincoh Willing willking co.
- Medical Surgical Nursing – W.J.Phipps & B.C.Loug- B.I Publication, New Delhi
- Medical Surgical Nursing - B.T. Basavatthappa J.P. Bros. Med. Publication New Delhi
- Text Book of Medical Surgical Nursing. – Brunner & Siddhartha – Walter Kluwer Publication

Subject: Community:-

- Community Health Nursing : - TNAI – The TNAI Publication
- Public and Community Health Nurses Consultant – M.Stan Hope & R.N.Khollmutter Mosby Year Book
- Preventive & Social Medicine – R. Park – Banarsi Das Bhanot Pub. Jabalpur
- Community Health Nursing - B.T. Basavatthappa J.P. Bros. Med. Publication New Delhi
- Essn.in Community Health Nursing – S. Kamalan J.P. Bros. Med. Publication New Delhi
- Community Health Principal & Practice - K.K.Gulani – Kumar Publication House
- Text Book of Community Health Nursing – R.P.Saxena – Lotus Publication
- Text Book of community Health Nursing – C. Avrasang – Emmes Publication House, Bangalore

Subject : Pediatric:

- Pediatric Nursing Procedure – Raman Kalia - J.P. Bros. Med. Publication New Delhi
- Text Book of Pediatric Nursing – D. R. Marlow & B.A. Reading- Reed Elsevier India Pvt. Ltd
- Essn. Of Pediatric Nursing – Donna L. Wong - Mosby Year Book
- Manual of Pediatric Practice - Laurance Fingerg – W.B. Saunders Co.

- Essn. Of Pediatric – F.A. Oski & K.B. Johnson – Lippin Cott. Publication
- Essn. Pediatric – D. Hull & D. I. Johnston – Churchill Livingstone, UK
- Text Book of Pediatric Nursing for GNM – S. Kurian – Emmes Pub(Med) Bangalore
- Fundamental of Pediatric – A.M. Rudolph – Appleton & Long Publication

Subject : Microbiology

- Medical Microbiology & Immunology – W.Lavinson- McGraw Hill Publication Company Ltd. New Delhi
- Text Book of Microbiology for Nurses – A.K.Murugesha - Emmies Pub(Med) Bangalore
- Text Book of Microbiology – Surinder Kumar - J.P. Bros. Med. Publication New Delhi
- Text Book of Microbiology – R. Ananthanarayan – Oriental Longman
- Microbiology for Nurses – R.L. Ichhpujani & R. Bhatia- J.P. Bros. Med. Publication New Delhi
- Text Book of Microbiology – R. Anathanarayan – Oriental Longman
- Problem in Medical Microbiology – J.Halton - Blackwell Science Ltd. London

Subject : Sociology:-

- Text Book of Sociology for Nurses – K.P. Neeraja - J.P. Bros. Med. Publication New Delhi
- Nurses Sociology – G.S. Purusottam - J.P. Bros. Med. Publication New Delhi
- Text Book of Sociology for Nurses – T.K. Indrani- J.P. Bros. Med. Publication New Delhi
- Sociology for Nurses – K.P.Pothen & S Pothen – N.R. Bros. Publication Indore
- Text book of Sociology for Nurses - Vidya Ratan- Kitab Mahal Allahabad

Subject : Pharmacology:

- Clinical Pharmacology Incredible Easy – K. Comerford & K Howorth - Lippincoh William wilkins co.
- Clinical Pharmacology - S.S. Roach & D.C. Schever - Lippincoh William wilkins co
- Introduction to Clinical Pharmacology – M.W. Edmonds - Mosby Year Book
- Essn. Of Clinical Pharmacology – B.R. Williams & C. L. Baer- Spring House Corporation
- Basic Clinical Pharmacology- B.G. Katzung - McGraw Hill Publication Company Ltd. New Delhi
- The Pharmacology Basics of Therapist – Goodmans & Gillmons – McMillan Pub. Co
- Essn. Of Med Pharmacology – K.D. Tripathi - J.P. Bros. Med. Publication New Delhi

Subject : Psychiatric :-

- Principles & Practical of Psychiatric Nursing – R.E.Hales - J.P. Bros. Med. Publication New Delhi
- Advanced Practical Psychiatric Nursing- A.W. Gurgess – Simon & Schster Asia Pub. Ltd
- Basic Concept of Psychiatric Mental Health Nursing – L.R. Shrives- Lippincoh William wilkins co
- Principles and Practice of Psychiatric Nursing – G.W.Stuart & M.T. Larace Reed Elsevier India Pvt. Ltd
- Principles and Practice of Psychiatric Nursing – G.W.Stuart & M.T. Larace Mosby Year Book

- Psychiatric Mental Health Nursing – S. L. Videbeck - Lippincott William Wilkins Co
- Concise Text Book of Clinical Psychiatric- B.J.Sadock & V.A. Sadock- Lippincott William Wilkins Co
- Essn. Of Mental Health & Psychiatric Nursing- K.P.Neeraja - J.P. Bros. Med. Publication New Delhi
- Diagnosis & Treatment Psychiatric- M.H. Ebert. – McGraw Hill Publication Co.

Subject : Obstetrics : -

- Text Books of Obstetrics for Nurses & Midwives – Amarnath Blinde - J.P. Bros. Med. Publication New Delhi
- Essn. Of Obstetrics – S. Arul Kumaran - J.P. Bros. Med. Publication New Delhi
- Obstetrics – F.G. Cunningham – McGraw Hill Publication Co.
- Obstetrics A Study Guide – Thomas M. Jullian – Prentice Hall Publication
- Text Book of Obstetrics – B.C. Datts – New Central Book Agency, Pvt. Ltd
- Manual of Obstetrics – Holland & Breme – B.I Churchill Livingstone, N. Delhi
- Gynecology – J. S. Breck - Lippincott William Wilkins Co
- Essn. Of Gynecology – Arul Kumaran - J.P. Bros. Med. Publication New Delhi
- Gynecology and Woman's Health - - K. J. Rijan – Hav Court (India) Pvt. Ltd
- Text Book of Gynecology – D. C. Datts – New Central Book Agency, Kolkata

Subject : - Nursing Research

- Statical Method for Healthcare Research – B.H. Munro - Lippincott William Wilkins Co
- Nursing Research & Statistics – Rajesh Kumar - J.P. Bros. Med. Publication New Delhi
- Guide to Nursing Research and Biostatistics- Mamita Dey - J.P. Bros. Med. Publication New Delhi
- Nursing Research – B. T. Basavanthappa - J.P. Bros. Med. Publication New Delhi
- Text Book of Nursing Research – Mrs. S. S. Ray Chavethory – Kumar Publishing House
- Text Book on Nursing Research and Statistics – G. Logindo-wood & J. Haber – Mosby Year Book Inc.
- Foundation of Nursing Research – R. M. Nierwieday – Appleton & Long Company
- Essn. Nursing Research – D. E. Polite & B. P. Hunger - Lippincott William Wilkins Co

Subject : Nursing Education

- Nursing Education : B. T. Basavanthapps – - J.P. Bros. Med. Publication New Delhi
- Management of Nursing Services and Education – D.E. Bhaskararaj – Emmes Medical Pub.
- Text Book of Nursing Education – K.P. Neeraja – J.P. Bros. Med. Publication New Delhi
- Text book of Communication & Education Technology – Neelam Kumari – S. Vikas & Co.

Marking Scheme for B.Sc Nursing - 2018-19

First Year

Subject		Assessment			
Sno.	Subject	Hours	Internal	External	Total
Theory					
1	Anatomy & Physiology	3	25	75	100
2	Nutrition & Biochemistry	3	25	75	100
3	Nursing Foundation	3	25	75	100
4	Psychology	3	25	75	100
5	Microbiology	3	25	75	100
6	English	3	25	75	100
7	Introduction to Computer	3	25	75	100
Practical & Viva					
1	Nursing Foundation		100	100	200

Second Year

Subject		Assessment			
Sno.	Subject	Hours	Internal	External	Total
Theory					
8	Sociology	3	25	75	100
9	Medical Surgical Nursing- I	3	25	75	100
10	Pharmacology, Pathology, Genetics	3	25	75	100
11	Community Health Nursing- I	3	25	75	100
12	Communication & Education Technology	3	25	75	100
Practical & Viva Hrs					
2	Medical Surgical Nursing- I		100	100	200

Third Year

Subject		Assessment			
Sno.	Subject	Hours	Internal	External	Total
Theory					
13	Medical Surgical Nursing- II	3	25	75	100
14	Child Health Nursing	3	25	75	100
15	Mental Health Nursing	3	25	75	100
16	Nursing Research & Statistics	3	25	75	100
Practical & Viva Hrs					
3	Medical Surgical Nursing- II		50	50	100
4	Child Health Nursing		50	50	100
5	Mental Health Nursing		50	50	100

Fourth Year

Subject		Assessment			
Sno.	Subject	Hours	Internal	External	Total
Theory					
17	Midwifery & Obstetrical Nursing	3	25	75	100
18	Community Health Nursing II	3	25	75	100
19	Management of Nursing Service & Education	3	25	75	100
Practical & Viva Hrs					
6	Midwifery & Obstetrical Nursing	3	50	50	100
7	Community Health Nursing	3	50	50	100

Handwritten signature



स्वास्थ्य एवं परिवार कल्याण मंत्रालय के तहत सांविधिक निकाय
Statutory Body under the Ministry of Health & Family Welfare

F.No. 22-10/Univ.-2019 -INC

Dated: 11 APR 2019

To,
The Vice Chancellors of all Universities offering and examining Nursing
Programmes.

Sub: The need for Strict adherence to the Scheme of Examinations laid down by INC -
reg.

Sir/Madam,

As you are aware, in accordance with Section 16 (h) & (i) Indian Nursing Council Act, the eligibility criteria and Guidelines for the various Nursing examinations have been notified through regulations by INC for strict compliance by the Universities/examining bodies whose Nursing qualifications have been recognised by INC. However recently several instances regarding deviations in the examination schemes, flouting the INC guidelines, have been brought to the notice of INC, in the context of registration of Candidates, by various SNC's with reference to the Certificate and mark list of the qualified candidates (like non- adherence to minimum pass marks in theory and practical papers separately etc). Keeping in view the career interest of the candidates who have already qualified. However in the Interest of ensuring the uniform standards improving the quality of Nursing Education, INC cannot allow such deviations from the prescribed eligibility criteria and exam schemes to continue. All Universities are to ensure that henceforth the Admission Eligibility Criteria and the Guidelines for Examination notified by INC are strictly followed. It is needless to mention here that if conditions for admission to the Nursing Course and the Scheme of examination for the INC recognised Nursing Qualifications are not in conformity with the regulations Notified by INC, then the candidates possessing such qualification shall be entitled to be registered in that State Only where the University/Examining board is situated. {Section 14 (3) (b) of INC Act.

For the sake of ready reference the examinations Guidelines and Academic Eligibility Criteria for the B.Sc. (N) course is given below for ensuring strict compliance by all concerned.

Examination Guidelines:

FIRST YEAR - B.Sc Nursing

Subject	Assessment			Total
	Hours	Internal	external	
Theory	3	25	75	100
1. Anatomy & Physiology	3	25	75	100
2. Nutrition and Biochemistry				

उपचर्या शिक्षा के एकसमान मानक प्राप्त करने के लिए प्रयासरत
Striving to Achieve Uniform Standards of Nursing Education

Website: www.indiannursingcouncil.org E-mail: secv.inc@gov.in
Phone: 011-66616800, 66616821, 66616822

भारतीय उपचर्या परिषद्

आठवाँ तल, एनबीसीसी सेन्टर, प्लॉट नं. 2, कम्युनिटी सेन्टर, ओखला फेज - 1, नई दिल्ली - 110020



INDIAN NURSING COUNCIL

8th Floor, NBCC Centre, Plot No. 2, Community Centre
Okhla Phase - I, New Delhi - 110020

स्वास्थ्य एवं परिवार कल्याण मंत्रालय के तहत सांविधिक निकाय

Statutory Body under the Ministry of Health & Family Welfare

3. Nursing Foundations	3	25	75	100
4. Psychology	3	25	75	100
5. Microbiology	3	25	75	100
6. English*	2	-	50	50
7. Introduction to Computer*	2	-	50	50
Practical and Viva Voice				
1. Nursing Foundations		100	100	200

*College exam

SECOND YEAR – B.Sc Nursing

Subject	Assessment			
	Hours	Internal	external	Total
Theory				
8. Sociology	3	25	75	100
9. Medical-Surgical Nursing-I	3	25	75	100
10. Pharmacology, Pathology, Genetics	3	25	75	100
11. Community Health Nursing-I	3	25	75	100
12. Communication and Educational Technology	3	25	75	100
Practical and Viva Voice				
2. Medical-Surgical Nursing-I		100	100	200

THIRD YEAR – B.Sc Nursing

Subject	Assessment			
	Hours	Internal	external	Total
Theory				
13. Medical-Surgical Nursing-II	3	25	75	100
14. Child Health Nursing	3	25	75	100
15. Mental Health Nursing	3	25	75	100
16. Nursing Research & Statistics	3	25	75	100
Practical and Viva Voice				
3. Medical-Surgical Nursing-II		50	50	100
4. Child Health Nursing		50	50	100
5. Mental Health Nursing		50	50	100

FOURTH YEAR – B.Sc Nursing

Subject	Assessment			
	Hours	Internal	external	Total
Theory				
17. Midwifery and Obstetrical Nursing	3	25	75	100

उपचर्या शिक्षा के एकसमान मानक प्राप्त करने के लिए प्रयासरत

Striving to Achieve Uniform Standards of Nursing Education

Website: www.indiannursingcouncil.org E-mail: secy.inc@gov.in

Phone: 011-66616800, 66616821, 66616822



स्वास्थ्य एवं परिवार कल्याण मंत्रालय के तहत सांविधिक निकाय
Statutory Body under the Ministry of Health & Family Welfare

18. Community Health Nursing-II	3	25	75	100
19. Management of Nursing Services and Education	3	25	75	100
Practical and Viva Voice				
6. Midwifery and Obstetrical Nursing		50	50	100
7. Community Health Nursing		50	50	100

NOTE:

1. Anatomy and Physiology: question paper will consist of Section A- Anatomy of 37 marks and Section B- Physiology of 38 marks.
2. Nutrition and Biochemistry: Question paper will consist of Section A- Nutrition of 45 marks and Section B- of Biochemistry of 30 marks.
3. Pharmacology, Genetics, pathology: Section A- Pharmacology of 38 marks, Section B- Pathology of 25 marks and Genetics of 12 marks.
4. Nursing Research & Statistics: Nursing research should be of 50 marks and Statistics of 25 marks.
5. Minimum pass marks shall be 40% for English only and to be conducted as college exam and marks to be sent to the University for Inclusion in the mark list.
6. Theory and Practical exams for Introduction to computer to be conducted as College exam and marks to be sent to the University for Inclusion in the marks sheet.
7. Minimum pass marks shall be 50% in each of the Theory and Practical papers separately.
8. A candidate has to pass in theory and practical exam separately in each of the paper.
9. Candidate must pass in internal and external examinations in each of the papers separately.
10. If a candidate fails in either theory or practical paper he/she to re-appear for both the papers (Theory and Practical).
11. The candidate if fails can be permitted for admission to next year.
12. The candidate shall have to clear all the previous examinations before appearing in final year examination.
13. The maximum period to complete the course successfully should not exceed 8 years

उपचर्या शिक्षा के एकसमान मानक प्राप्त करने के लिए प्रयासरत
Striving to Achieve Uniform Standards of Nursing Education

Website: www.indiannursingcouncil.org E-mail: secy.inc@gov.in

Phone: 011-66616800, 66616821, 66616822



स्वास्थ्य एवं परिवार कल्याण मंत्रालय के तहत सांविधिक निकाय
Statutory Body under the Ministry of Health & Family Welfare

14. A candidate must have minimum of 80% attendance (irrespective of the kind of absence) in theory and practical in each subject for appearing in the examination.
15. A candidate must have 100% attendance in each of the practical areas before award of degree.
16. No institutions shall submit average internal marks of the test students more than 75% i.e., if 40 students are admitted in a course, the average score of the 40 students shall not exceed 75% of total internal marks. (Example of 5 students: A=2, B=20, C=22, D=21, E=24 Average score = 89.6%. this will not be accepted by the State Nursing Registration Council.
17. Maximum number of candidate for practical examination should not exceed 20 per day under any circumstances.
18. All practical examination must be held in the respective clinical areas.
19. One internal and one external examiner should jointly conduct practical examination for each student.
20. An examiner should be a lecturer or above in a college of nursing with M.Sc (N) in concerned subject and minimum of 3 years of teaching experience in the collegiate program. To be an examiner for nursing foundations course faculty having M.Sc (N) with any speciality shall be considered.
21. On completion of internship, internal assessment out of 100 marks should be sent to the University for Inclusion in the mark sheet.
22. Final year examination results shall be withheld till the candidate completes required attendance for practical and internship.

Admission Guidelines:

1. The minimum age for admission shall be 17 years on 31st December of the year in which admission is sought.
2. **Minimum Educational Qualification:**
 - a. A candidate should have passed in the subjects of Physics, Chemistry, Biology (PCB) and English individually and must have obtained a minimum of 45% marks taken together in PCB at the qualifying examination (10+2).
 - b. Candidates are also eligible from State Open School recognized by State Government and National Institute of Open School (NIOS) recognized by Central Government having science subjects and English only.

उपचर्या शिक्षा के एकसमान मानक प्राप्त करने के लिए प्रयासरत
Striving to Achieve Uniform Standards of Nursing Education

Website: www.indiannursingcouncil.org E-mail: secy.inc@gov.in

Phone: 011-66616800, 66616821, 66616822



स्वास्थ्य एवं परिवार कल्याण मंत्रालय के तहत सांविधिक निकाय
Statutory Body under the Ministry of Health & Family Welfare

c. English is a compulsory subject in 10+2.

3. Candidate shall be medically fit. However, Colour Blind candidates should be considered for admission to Nursing Courses subject to the condition that Colour corrective contact lens and spectacles are worn by such candidates.

4. Candidate shall be admitted once in a year.

5. Reservation Policy:

- For disabled candidates 5% Disability reservation to be considered with a disability of locomotor to the tune of 45% to 50% of the lower extremity and other eligibility criteria with regard to age and qualification will be same as prescribed for each nursing programme.
- Admission under the reserved quota shall be subject to reservation policy and eligibility criteria for SC/ST/OBC/PH/EWSs prescribed by the Central Govt/ State Govt/ Union Territory as applicable to the College concerned.
- Reservation SC/ST, OBC or any other shall be as per the Central Govt/State Govt. rules as applicable.

Note: Reservation shall be applicable within the sanctioned number of the seats.

This letter issues with the approval of Competent Authority.

Yours faithfully,

(K.S. Bharati)

JOINT SECRETARY

Copy to:

- Principals of all Colleges of Nursing
- INC Website

उपचर्या शिक्षा के एकसमान मानक प्राप्त करने के लिए प्रयासरत
Striving to Achieve Uniform Standards of Nursing Education

Website: www.indiannursingcouncil.org E-mail: secy.inc@gov.in

Phone: 011-66616800, 66616821, 66616822