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PHILOSOPHY

INC believes that:

Health is a state of well-being that enables a person to lead a psychologically, socially and economically productive life. Health is not a privilege but a right of all the people. Individuals, families and communities have a responsibility towards maintaining their health.

Nursing contributes to the health services in a vital and significant way in the health care delivery system. It recognizes national health goals and is committed to participate in the implementation of National Health policies and program. It aims at identifying health needs of the people, planning and providing quality care in collaboration with other health professionals and community groups.

Scope of nursing practice encompasses provision of promotive, preventive, curative and rehabilitative aspects of care to people across their life span in wide variety of health care settings. Practice of Nursing is based upon application of basic concepts and principles derived from the physical, biological, behavioural sciences.

Nursing is based on values of caring, and aims to help individuals to attain independence in self-care. It necessitates development of compassion and understanding of human behaviour among its practitioners to provide care with respect and dignity and protect the rights of individuals & groups.

Undergraduate nursing program at the post basic level is a broad based education within an academic framework, which builds upon the skills and competencies acquired at the diploma level .It is specifically directed to the upgrading of critical thinking skills, competencies & standards required for practice of professional nursing and midwifery as envisaged in National Health Policy 2002.

The teachers have the responsibility to be role models and create learning environment that enables students to acquire inquiry driven, self directed learning and foster an attitude of life long learning.

Under graduate nursing education program at the post basic level prepares its graduates to become exemplary citizen by adhering to code of ethics and professional conduct at all times in fulfilling personal, social and professional obligations so as to respond to national aspirations.

AIMS

The aim of the undergraduate nursing program at the post basic level is to upgrade the diploma (GNM) nurses to:

- assume responsibilities as professional, competent nurses and midwives at basic level in providing promotive, preventive, curative and rehabilitative services.
- make independent decisions in nursing situations, protect the rights of, and facilitate individuals and groups in pursuit of health, function in the hospital, community nursing services and conduct research studies in the areas of nursing practice. They are also expected to assume the role of teacher, supervisor, manager in a clinical / public health settings.

OBJECTIVES

On completion of B.Sc Nursing (Post Basic) degree programme the graduates will be able to:

1. Assess health status, identify nursing needs, plan, implement and evaluate nursing care for patients/clients that contribute to health of individuals, families and communities.
2. Demonstrate competencies in techniques of nursing based on concepts and principles from selected areas of nursing, physical, biological and behavioural sciences.
3. Participate as members of health team in the promotive, preventive, curative and restorative health care delivery system of the country.
4. Demonstrate skills in communication and interpersonal relationship.
5. Demonstrate leadership qualities and decision-making abilities in various situations.
6. Demonstrate skills in teaching to individuals and groups in community health settings.
7. Demonstrate managerial skills in community health settings.
8. Practice ethical values in their personal and professional life.
9. Participate in research activities and utilize research findings in improving nursing practice.
10. Recognize the need for continued learning for their personal and professional development.

18. COURSE OF Study

FIRST YEAR

S. No.	Subject	Hours Theory	Hours Practical
1.	Nursing Foundation	45	--
2.	Nutrition & Dietetics	30	15
3.	Biochemistry & Biophysics.	60	--
4.	Psychology	60	15
5.	Maternal Nursing	70	240
6.	Child Health Nursing	70	240
7.	Microbiology	60	30
8.	Medical & Surgical Nursing	120	300
9.	English*	60	--
	Total	575	840

Note: Hindi/Local language as per the need of the institution

SECOND YEAR

10.	Sociology	60	--
11.	Community Health Nursing	60	240
12.	Mental Health Nursing	60	240
13.	Introduction to Nursing Education	60	125
14.	Introduction to Nursing Administration	60	180
15.	Introduction to Nursing Research and Statistics	75	120
	Total	375	905

SCHEME OF EXAMINATIONS

FIRST YEAR-

THEORY

Paper	Subject	Duration	INT.ASS	EXT.ASS	Total Marks
1.	Nursing Foundation	2	15	35	50
2	Nutrition* & Dietetics*	2	15	35	50
3.	Biochemistry* & Biophysics*	3	25	75	100
4.	Psychology	3	25	75	100
5	Microbiology	3	25	75	100
6	Maternal Nursing	3	25	75	100
7	Child Health Nursing	3	25	75	100
8	Medical & Surgical Nursing	3	25	75	100
9	English (Qualifying)*	3	25	75	100

PRACTICALS

	Subject	Duration	Internal	University	Total Marks
1.	Medical & Surgical Nursing	--	50	50	100
2.	Maternal Nursing	--	50	50	100
3.	Child Health Nursing	--	50	50	100

SECOND YEAR

Paper	Subject	Duration	Internal	University	Total Marks
10.	Sociology	3	25	75	100
11.	Community Health Nursing	3	25	75	100
12.	Mental Health Nursing	3	25	75	100
13.	Introduction to Nursing Education	3	25	75	100
14.	Introduction to Nursing Administration	3	25	75	100
15.	Introduction to Nursing Research & Statistics	3	25	75	100

PRACTICALS

	Subject	Duration	Internal	University	Total Marks
4.	Community Health Nursing	--	50	50	100
5.	Mental Health Nursing	--	50	50	100
6.	Research Project *	--	50	50	100

Note: *Qualifying Examination

N.B:

1. Teaching of Anatomy, Physiology, Pharmacology and Pathology will be integrated with clinical subjects.
2. A minimum of 80% attendance in theory and Practical / Clinical in each subjects is essential of appearing in the examination.
3. 100% attendance in practical / clinicals in each clinical area is essential before award of degree.
4. 50% of minimum marks in each theory and practical paper separately is required for passing.
5. A candidate has a secure minimum of 40% in qualifying subjects of passing.

NURSING FOUNDATION

Placement: 1st Year

Time allotted: Theory- 45 Hours

COURSE DESCRIPTION

This course will help students develop an understanding of the philosophy, objectives and responsibilities of nursing as a profession. The purpose of the course is to orient to the current concepts involved in the practice of nursing and developments in the nursing profession

OBJECTIVES

At the end of the course, the student will

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

COURSE CONTENTS

UNIT I

6 Hours

- Development of nursing as a profession
 - Its philosophy
 - Objectives and responsibilities of a graduate nurse
- Trends influencing nursing practice
- Expanded role of the nurse
- Development of nursing education in India and trends in nursing education.
- Professional organizations, career planning

UNIT II

8Hours

- Ethical, legal and other issues in nursing
- Concepts of health and illness, effects on the person
- Stress and adaptation
- Health care concept and nursing care concept
- Developmental concept needs roles and problems of the developmental stages of individual- newborn, infant, toddler, pre adolescent, adolescent, adulthood, middle- age, old age.

UNIT III**9Hours**

- Theory of nursing practice
- Meta paradigm of nursing- characterized by four central concepts i.e. nurse, person (client/patient) health and environment

UNIT IV**10Hours**

- Nursing process
- Assessment Tools for assessment methods, recording
- Planning Techniques for planning care, types of care plan
- Implementation : Different approaches to care , organizations and implementation of care , recording.
- Evaluation: Tools for evaluation, process of evaluation.

UNIT V**6 Hours**

- Quality assurance nursing standards nursing audit total quality management.
- Role of council and professional bodies in maintenance of standards

UNIT VI**6 Hours**

- Primary health care concept:
 - community oriented nursing
 - holistic nursing
 - primary nursing
- Family oriented nursing concept
 - problem oriented nursing
 - progressive patient care
 - team nursing

NUTRITION & DIETETICS

Placement: 1st Year

Time allotted: Theory - 30 Hrs
Practical -15 Hr

COURSE DESCRIPTION

This course is designed to provide the students with a wide knowledge of dietetics in Indian setting that the practice of teaching optimum and realistic dietary planning can become an integral part of nursing practice.

OBJECTIVES

At the end of the course, the student will

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

COURSE CONTENTS

UNIT I –

05 Hours

- Introduction to nutrition and dietetics
- Balanced diet factors on which it depends
- Factors to be considered in planning
- Guides available for planning
- Food Hygiene preparation and preservation
- Review of nutrients micro & macro.

UNIT II

10Hours

- Introduction to diet therapy
- Routine hospital diets
- Therapeutic diet under each unit i.e Cardiovascular diseases, Gastrointestinal diseases, Renal disorders, Endocrine and metabolic disorders, Allergy, Infections and fevers, Pre and post operative stage, Deficiency diseases and malnutrition, overweight and underweight

UNIT III

10 Hours

- Infant and child Nutrition
- Feeding of normal infants: factors to be considered in planning nutritional requirements
- Feeding of premature infants: factors to be considered in planning nutritional requirements
- Supplementary feeding of infants: Advantage and method of introduction.
- Weaning effects on mother and child.
- Psychology of infant and child feeding.
- Feeding the sick child .Diet in diseases of infancy and childhood.
- Deficiency states –malnutrition and under nutrition.
- Feeding pre school child: nutritional needs ,factors to be considered in planning diets. Problems in feeding
- School lunch programme: Advantages, Need in India.

UNIT IV

05 Hours

- Community Nutrition: Need for community nutrition programme.
- Nutritional needs for special groups: infant ,child, adolescent pregnant woman ,lactating mother and old people.
- Substitutes for non -vegetarian foods.
- Selection of cheap and nutritious foods. Nutrition education needs and methods community.
- Current nutritional problems and national programmes.

PRACTICUM

I. Methods of cooking and cookery rules

1. Simple preparation of beverages, soups, cereals and pulses eggs vegetables, meat.
2. Menu Plans.

II Preparation of supplementary food for infants.

1. Food for toddlers.
2. Low cost nutritious dishes for vulnerable groups.
3. Dietary case study of patient on special diet and planning of low cost dietary instructions for home adaptations.
4. Planning of therapeutic diets.

BIOCHEMISTRY & BIOPHYSICS

Placement : 1st Year

Time Allotted :

Section A (Biochemistry) Theory -30 Hrs

Section B (Biophysics) Theory -30 Hrs

COURSE DESCRIPTION

This course introduces the basic principles of Biochemistry and Biophysics related to nursing.

OBJECTIVES

At the end of the course, the student will

1. Identify the basic principles of Biochemistry and Biophysics.
2. Synthesize the knowledge of these principles in various nursing situations.

Section A : Biochemistry

Theory -30 Hrs

COURSE CONTENTS

UNIT I

02 Hour

- Introduction: Importance of Biochemistry in nursing.
- Study of cell and its various components

UNIT II

04 Hours

- **Water and Electrolytes:** Water –Sources, property & functions in human body.
- Water and fluid balance.
- Electrolytes of human body, functions. Sources.

UNIT III

06

- Enzymes
- Mechanism of action.
- Factors affecting enzyme activity.
- Diagnostic applications.
- Precautions for handling specimens for enzyme estimation.
- Digestion and absorption of carbohydrates, proteins and fats absorption syndrome.

UNIT IV

06 Hours

- **Carbohydrates:** Catabolism of carbohydrates for energy purposes
- Mitochondrial oxidation and oxidation phosphorylation.
- Fats of glucose in the body. Storage of glucose in the body, glycogenesis, glycogenolysis and neoglucogenesis, blood glucose and its regulation.
- Glucose tolerance test, hyperglycemia, hypoglycemia, glycemia.

UNIT V

06 Hours

- **Protein:** Amino acids, hormones.
- Essential amino acids. Biosynthesis of protein in the cells
- Role of nucleic acid in protein synthesis.
- Nitrogenous constituents of Urine, Blood, their origin- urea cycle, uric acid formation, gout.
- Plasma proteins and their functions.

UNIT VI

06 Hours

- **Fat:** Biosynthesis of fats and storage of fats in the body.
- Role of liver in fat metabolism
- Biological importance of important lipids their functions
- Cholesterol and lipoprotein
 - sources, occurrence and distribution
 - blood level and metabolism
 - Ketone bodies and utilization.
- Inter-relationships in metabolism and cellular control of metabolic processes.

Section B : Biophysics

COURSE CONTENTS

Theory -30 Hours

UNIT I

02 Hours

- Introduction :Concepts of unit and measurements.
- Fundamental and derived units.
- Units of length, weight, mass, time.

UNIT II

02 Hours

- Vector and scalar motion, speed ,velocity and acceleration.

UNIT III

02 Hours

- Specific gravity, centre of gravity, principles of gravity.
- Effect of gravitational forces on human body.
- Application of principles of gravity in nursing.

UNIT IV

02 Hours

- Their units of measurement.
- Type and transformation of energy forces of the body static forces
- Principles of machines friction and body mechanics.
- Simple mechanics – lever and body mechanics, pulley and traction, incline plane, screw
- Application of these principles in nursing

UNIT V

04 Hours

- **H e a t** : Nature, measurement, transfer of heat
- Effects of heat on matter
- Relative humidity specific heat
- Temperature scales
- Regulation of body temperature

- Use of heat for sterilization
- Application of these principles in nursing

UNIT VI

03 Hours

- **Light:** Laws of reflection.
- Focusing elements of the eye, defective vision and its correction use of lenses
- Relationship between energy, frequency and wavelength of light
- Biological effects of light
- Use of light in therapy
- Application of these principles in nursing.

UNIT VII

03 Hours

- **P r e s s u r e s :** Atmospheric pressure, hydrostatic pressure, osmotic pressure
- Measurements of pressures in the body
 - Arterial and venous blood pressures
 - Ocular pressure
 - Intracranial pressure
 - applications of these principles in nursing.

UNIT VIII

03 Hours

- **S o u n d :** Frequency, Velocity and Intensity
- Vocalization and hearing
- Use of ultrasound. Noise pollution and its prevention
- Application of these principles in nursing.

UNIT IX -**04Hours**

- Electricity and Electromagnetism: Nature of Electricity, Voltage, Current, Resistance and their Units
- Flow of electricity in solids, electrolytes, gases and vacuum.
 - Electricity and human body.
 - ECG, EEG, EMG, ECT
 - Pace makers and defibrillator
 - Magnetism and electricity
 - MRI Scanning. CAT Scan

UNIT X**03 Hours**

- **Atomic Energy:** Structure of Atom, Isotopes and Isobars.
- Radioactivity : Use of radioactive isotopes.
- Radiation protection units and limits, Instruments used for detection of ionising radiation X- rays.

UNIT XI**02 Hour**

- Principles of Electronics: Common electronic equipments used in patient care.

PRACTICUM

Experiments and Tests should be demonstrated wherever applicable.

PSYCHOLOGY

Placement : 1st Year

Time allotted : Theory -60 Hrs
Practical -15Hrs

COURSE DESCRIPTION

This course is designed to reorient and widen the student knowledge of fundamentals of psychology. The student is offered an opportunity to apply the theoretical concepts in the clinical setting and thereby understand the psychodynamics of patient behavior . The course would also help the student to develop an insight into her own behaviour.

OBJECTIVES

At the end of the course, the student will

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

COURSE CONTENTS

03 Hours

UNIT I

- Introduction: Definition of psychology, scope and method psychology.
- Relationship with other subjects.

UNIT II

04 Hour

- Sensation, Attention and Percetion:Definitions
- Sensory processes : Normal and abnormal
- Attention and distraction : contributory factors.
- Characteristics of perception, Perception :Normal and abnormal

UNIT III

06 Hours

- Motivation: Definition and nature of motivation
- Biological and social motives
- Frustration and conflicts
- Self –actualization

UNIT IV –

04 Hours

- Emotions: Definition of emotions Expression and perception
- Emotions in sickness

UNIT V

05 Hours

- Personality: Definition Constituents of personality
- Personality in sickness and nursing

UNIT VI

06 Hours

- Psychological aspects of nursing
- Behaviour and sickness. Psychological needs
 - Child and adolescents
 - Adult
 - Aged
 - Attendants
 - Chronically ill individual

UNIT VII**05 Hours**

- Individual differences
- Significance of individual differences.
- Heredity and environment.
- Role of individual differences both in health and sickness.
- Implications of individual differences in nursing.

UNIT VIII - INTELLIGENCE AND ABILITIES**08 Hours**

- Definition
- Intelligence and abilities during sickness.
- Measurement of intelligence and abilities

UNIT IX -**08 Hours**

- Learning Definition Conditions of learning
- Laws of learning
- Learning during health and sickness

UNIT X -**05 Hours**

- Memory and Forgetting: Definition and nature of memory
- Memory during health and sickness
- Forgetting during health and sickness

UNIT XI – ATTITUDES**04 Hours**

- Attitudes :Definition Development and modification
- Role of attitudes in health and sickness.

UNIT XII –

06 Hours

- Concept of mental hygiene & mental health
- Characteristics of a mentally health person
- Defense mechanisms

PRACTICUM

- 1 Simple experiments on (i) perception (ii) measuring thresholds (iii) reaction time.
- 2 Administration of psychological tests
- 3 Observation and recording data: (i) field observation (ii) interview (iii) case study (iv) self-rating

MICROBIOLOGY

Placement : 1st Year

Time allotted : theory 60 Hrs

Practical -30 hrs

COURSE DESCRIPTION

This course is reorients the students to the fundamentals of Microbiology and its various sub-divisions. It provides opportunities to gain skill in handling and use of microscope for identifying various micro-organisms. It also provides opportunities for safe handling materials containing harmful bacteria and methods of destroying microorganisms.

OBJECTIVES

At the end of the course, the student will

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

COURSE CONTENTS

UNIT I –

Hours- 06

- Structure and Classification of Microbes
- Morphological types
- Size and form of bacteria
- Motility
- Classification of Micro-organisms

Practical: Hours-05

- Use and care of microscope
- Common examination : Smear, Blood, Moulds, Yeasts.

UNIT II - 03 Hours

- Identification of Micro -organisms
- Discussion of laboratory methods
- Diagnosis of bacterial diseases

Practical: Hours-5

- Staining techniques-gram staining, acid fast staining.
- Hanging drop preparation.

UNIT III -

**05 Hours
Practical 05 Hours**

- Growth and Nutrition of Microbes
- Temperature
- Moisture
- Blood

Practical :

- Preparation of Media and culture techniques.
- Collection handling and transportation of various specimens.

UNIT IV - 8 Hours

- Destruction of Micro - Organisms
- Sterilization and disinfection
- Chemotherapy and antibiotics
- Effects of heat and cold
- Hospital Infection control procedure & role of nurses.

Practical : Sterilization methods- Physical, Chemical and Mechanical

UNIT V -

08 Hours

- Disease producing Micro-organisms
- Gram positive bacilli
- Tuberculosis and Leprosy
- Anaerobes
- Cocci
- Spirochete
- Rickettsiae

Practical: Identification and study of the following bacteria : Strepto cocci, pneumococci and Staphylococci, Corynebacteria Spirochetes and gonococci. Enteric bacteria. Posting in infection control department.

UNIT VI –

06 Hours

- Pathogenic fungi
- Dermatophytes
- Systemic Mycotic infection
- Laboratory diagnosis of mycotic infection

UNIT VII –

08 Hours

- Immunity
- Immunity and hypersensitivity- skin test
- Antigen and antibody reaction
- Immunization in disease.

Practical : Demonstration of serological methods

UNIT VIII -

06 Hours

- Parasites and Vectors
- Characteristics and classification of parasites
- Protozoal infection including amoebiasis
- Helminthes infection
- Diagnosis of parasitic infection
- Vectors and diseases transmitted by them

Practical : Identification of Parasites and Vectors.

UNIT IX –

05 Hours

- Viruses
- Classification and general character of viruses
- Diseases caused by viruses in man and animal and their control

UNIT X -

03 Hours

- Micro-organisms transmitted through food.
- Food poisoning ,Food borne infections

PRACTICUM

Each Student will practice in the laboratory as indicated in each unit of the courses outline. While giving nursing care in the wards they will practice collection and processing of sterilization , immunization, chemotherapy and maintenance of personal and environmental hygiene. Observation visit to incinerator, posting in CSSD and infection control department.

MATERNAL NURSING

Placement : 1st Year

Time allotted : Theory - 70 Hrs
Practical - 240 hrs

COURSE DESCRIPTION

This course is designed to widen the student's knowledge of obstetrics during pregnancy, labour and puerperium. It also helps to acquire knowledge and develop skill in rendering optimum nursing care to child bearing mother in a hospital or community and help in the management of common gynecological problems.

OBJECTIVES

At the end of the course, the student will

1. Describe the physiology of pregnancy, labour and puerperium
2. Manage normal pregnancy, labour and puerperium
3. Explain the physiology of lactation and advice management of breast feeding
4. Be skilled in providing pre and post operative nursing in obstetric conditions
5. Identify and manage high risk pregnancy including appropriate referrals.
6. Propagate the concept and motivate acceptance of families planning methods
7. Teach, guide and supervise auxiliary midwifery personnel.

COURSE CONTENTS

UNIT-I

08 Hours

- Introduction and historical review
- Planned parenthood
- Maternal morbidity and mortality rates
- Legislations related to maternity benefits, MTP acts, incentives for family planning etc

UNIT II –

08 Hours

- Review of the anatomy and physiology of female reproductive system
- Female pelvis (normal and contracted)
- Review of foetal development

UNIT III –

10 Hours

- Physiology and management of pregnancy, labour and puerperium
- Signs and symptoms and diagnosis of pregnancy
- Antenatal care
- Pregnant women with HIV/AIDS
- Management of common gynecological problems

UNIT IV –

10 Hours

- Care of the baby at birth including resuscitation

- Essential Newborn Care
 - Feeding
 - Jaundice and infection
 - Small & large for date babies
 - Intensive care of the new born
 - Trauma and hemorrhage

UNIT V –

20 Hours

- Management of abnormal pregnancy, labour and puerperium
- Abortion, entopic pregnancy and vesicular mole
- Pregnancy induced hypertension, gestational diabetes, anemia, heart disease.
- Urinary infections, antepartum hemorrhage
- Abnormal labour (malposition & malpresentation)
 - Uterine inertia
 - Disorders of puerperium
 - Management of engorged breast, cracked nipples, breast abscess and mastitis
 - Puerperal sepsis
 - Post partum haemorrhage
 - Inversion and prolapse of uterus, obstetrical emergencies
 - Obstetrical operation i.e forceps, vacuum, episiotomy caesarean section

UNIT VI –

06 Hours

- Drugs in obstetrics
- Effects of drugs during pregnancy, labour and puerperium mother & baby

UNIT VII –

10 Hours

- National Welfare Programmes for women
- National Family Welfare Programme
- Infertile couple
- Problems associated with unwanted pregnancy
- Unwed mothers

PRACTCUM

1. The students will
 - a. Be posted in antenatal Clinic, MCH clinic, antenatal ward, labour room, Postnatal ward, maternity OT, MTP room
 - b. Visit welfare agencies for women and write observation report
 - c. Follow nursing process in providing care to 3-6 patients
 - d. Write at least two nursing care studies and do a presentation
 - e. Give at least one planned health teaching to a group of mothers
2. Practice following nursing procedures
 - a. Antenatal & Post natal examination, per vaginal exam.
 - b. conduct normal delivery, stitching of episiotomy, (For male candidates minimum conduct of 5 deliveries)
 - c. Motivation of family for adopting family planning methods

- d. Motivate family for planned parenthood.
- e. Assist in various diagnostic and therapeutic procedures including IUD insertion and removal.

CHILD HEALTH NURSING

Placement : 1st Year

Time allotted : Theory -70hrs
Practical -240hrs

COURSE DESCRIPTION

This course is aimed at developing an understanding of the modern approach to childcare the common health problems of children neonates in health and sickness.

OBJECTIVES

At the end of the course, the student will

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

COURSE CONTENTS

UNIT I-

10 Hours

- Introduction
- Modern concept of child care
- Internationally accepted rights of the child
- National policy and legislations in relation to child health welfare.
- National programmes related to child health and welfare
- Changing trends in hospital care Preventive promotive and curative aspects of child health
- Child morbidity and mortality rates
- Differences between an adult and child
- Hospital environment for a sick child
 - The role of paediatric nurse in caring of the hospitalised child.
- Principles of pre and post operative care of infants and children
- Paediatric nursing procedures

UNIT II –

14 Hours

- The healthy Child
- Growth and development from birth to adolescence

- The needs of normal children through the stages are deployment and parental guidance.
- Nutritional needs of children and infants breast-feeding supplementary/ artificial feeding and weaning.
- Accidents, causes and prevention.
- Value of play and selection of play material.
 - Preventive immunization

UNIT III –

10 Hours

- Nursing care of neonate
- Nursing care of normal newborn
- Neonatal resuscitation
- Nursing management of a low birth weight baby
 - Nursing management of common neonatal disorders
 - Organization of neonatal unit, prevention of infections in the nursery.

UNIT IV –

30 Hours

- Nursing management in common childhood diseases
- Nutritional deficiency disorders
- Respiratory disorders and infections.
- Gastrointestinal infections, infestations and congenital disorders
- Cardio vascular problem – Congenital defects and rheumatic fever.
- Genito – urinary disorders- Nephrotic syndrome, Wilms’ tumor, infection and congenital disorders.
- Neurological infections and disorders-convulsions, epilepsy, meningitis, hydrocephalus, spinabifida.
- Haematological disorders – Anemias, thalassemia, ITP, Leukemia, haemophilia.
- Endocrine disorders – Juvenile Diabetes Mellitus
- Orthopaedic 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.
- Paediatric emergencies –poisoning, foreign bodies, haemorrhage, burns and drowning.

UNIT- V

06 Hours

- Management of behaviour disorders in children.
- Management of challenged children:

- Mentally challenged
- Physically challenged
- Socially challenged

Practicum

The student will:-

1. Be posted in paediatric medical and surgical ward, OPD in hospital, health centre and neonatal unit
2. Visit a centre for handicapped children and child welfare centre and write observation report.
3. Write an observation study of normal children of various age groups in home/ nursery school/ crèche
4. Follow nursing process in providing care to 3-6 children.
5. Write at least two nursing care studies and do a presentation
6. Give two planned health teachings, one in hospital and one in OPD/ health centre.
7. Practice the following nursing procedures :
8. Taking pediatric history
9. Physical assessment of children
10. Baby bath
11. Feeding
12. Restraining
13. Calculation of dosage of drugs and administration of medications and injections.
14. Collection of specimens
15. Enema, bowel wash, colostomy irrigation

16. Steam and Oxygen inhalation
17. Preparation to assist with diagnostic tests and operations
18. Examination /Assessment of a newborn
19. Neonatal resuscitation
20. Care of baby in incubator and on ventilator
21. Photo therapy
22. Assist in exchange transfusion and other therapeutic procedures.

MEDICAL SURGICAL NURSING

Placement : 1st Year

Time allotted : Theory 120 Hrs
Practical -300 hrs

COURSE DESCRIPTION

The purpose of this course is to widen the students knowledge and develop proficiency in caring for patients with medical surgical problem . This course includes review of relevant anatomy and physiology pathophysiology in medical- surgical disorders and the nursing management of these conditions.

OBJECTIVES

At the end of the course, the student will

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

COURSE CONTENTS

UNIT I -

03 Hours

- Introduction medical surgical nursing
- Review of concepts of comprehensive nursing care in medical surgical conditions
- Nurse patient and his/her family
- Functions of nurse in the outpatient department
- Intensive care unit.

UNIT II -

06 Hours

- Nursing management of patient with specific problems
 - Fluid and electrolyte imbalance
 - Dyspnea and cough respiratory obstruction
 - Fever
 - Shock
 - Unconsciousness
 - Pain
 - Acute illness
 - Chronic illness
 - Terminal illness
 - Age related illness
 - Patient under going surgery
 - Incontinence

UNIT- III

10 Hours

- Nursing management of patient with neurological and neuro surgical conditions.
- Review of anatomy and physiology of the nervous system
- Pathophysiology diagnostic procedures and management of :
 - Cerebro- vascular accident
 - Cranial spinal and peripheral neuropathies
 - Head-ache and intractable pain
 - Epilepsy
 - Infectious and inflammatory diseases and trauma of the Nervous System.
 - Common disorders of the system
- Recent advances in diagnostic and treatment modalities
- Drugs used in these disorders
- Tumors of brain & spinal cord, congenital Malformation, degenerative diseases.

UNIT IV -

12 Hours

- Nursing managements of patient with cardiovascular problems
- Review of relevant anatomy and physiology of cardio vascular system
- Pathophysiology diagnostic procedures and management of
 - Ischemic Heart diseases
 - Cardiac arrhythmias
 - Congestive heart failure
 - Rheumatic and other valvular heart diseases
 - Endocarditis , cardiomyopathies congenital heart diseases hypertension heart block
 - Cardiac emergencies cardiac arrest acute pulmonary oedema, cardiac tamponade , cardiogenic shock, aneurysms and peripherovascular disorders, recent advancement in cardiology.

UNIT V -

10 Hours

- Nursing management of patient with respiratory problems
 - Review of anatomy and physiology of respirator system
- Pathophysiology diagnostic procedures and management of upper respiratory tract infections.
- Bronchitis
 - Asthma
 - Emphysema empyema Atelectasis COPD
 - Bronchiectasis
 - Pneumonia
 - Pulmonary tuberculosis
 - Lung abscess
 - Pleural effusion
 - Tumours and Cysts
 - Chest injuries
 - Respiratory arrest and insufficiency
 - Pulmonary embolism
 - Drugs used in the management of these patients
 - Special respiratory therapies.

UNIT VI -

06 Hours

- Nursing management of patient with genito-urinary problems.
- Review of anatomy and physiology of the genitor urinary system
 - Nephritis
 - Renal calculus
 - Acute renal failure
 - Chronic renal failure
 - End stage renal disease
- Special procedures, dialysis, renal transplant
- Drugs used in management of these patients
- Congenital disorders, urinary infections
- Benign prostate hypertrophy.

UNIT VII -

13 Hours

- Nursing management of patients with problems of the digestive systems
- Review of anatomy and physiology of gastrointestinal system and accessory organs
- Pathophysiology, diagnostic procedures and management of
 - G.I Bleeding
 - Peptic ulcer
 - Infection
 - Acute abdomen
 - Colitis, diarrhoea, dysentery & mal- absorption syndrome
 - Cholecystitis
 - Hepatitis, hepatic coma and cirrhosis of liver
 - Portal hypertension
 - Pancreatitis
 - Tumors, hernias, fistulas, fissures, hemorrhoids.

Drugs used in the management of these patients.

UNIT VIII -

07 Hours

- Nursing management of patients with endocrine problems
- Review of anatomy and physiology & Patho-physiology patients with
 - Thyroid disorders
 - Diabetes mellitus
 - Diabetes insipidus
 - Adrenal tumour
 - Pituitary disorders
 - Diagnostic procedures

Nursing management of patient with above problems.

Drugs used in endocrine problems.

UNIT IX -**08 Hours**

- Nursing management of patients with musculoskeletal problems
- Review of anatomy and physiology
- Pathophysiology
 - Arthritis, osteomyelitis, bursitis
 - Fractures, dislocation and trauma
 - Prolapsed disc
 - Osteomalacia and osteoporosis
 - Tumor
 - Amputation

Diagnostic procedures

Nursing management of patients with above problems.

Prosthesis and rehabilitation

Transplant & replacement surgeries

UNIT X -**04 Hours**

- Nursing management of patient with disorders of female reproductive tract
- Disorder of menstruation
- Infections of the genital tract
- Benign and malignant tumors of the genital tract
- R.V.F, V.V.F
- Climacteric changes and associated problems

UNIT XI -**06 Hours**

- Nursing management of patient with oncological disorders
- Types of neoplasms and related pathophysiology
- Diagnostic procedures
- Modalities of treatment and nurse's role
- Special therapies –chemotherapy and radiotherapy
- Preventive measures other therapies

UNIT XII -**06 Hours****05 Hours**

- Nursing management of patient with burns
- Nursing management of patient with reconstructive surgeries

UNIT XIII -**04 Hours**

- Nursing management of patients with common communicable diseases & STD
- Nursing management of patients with immunological disorders including HIV/AIDS

UNIT XIV -**10 Hours**

- Nursing management of patients with diseases of eye, ear, throat & Skin

UNIT XV -**08 Hours**

- Nursing management of patient with blood disorders
- Review of Anatomy & Physiology of Blood and Blood products
- Patho- physiology diagnostic procedures and management blood disorders
 - Anemia
 - Leukemia
 - Bleeding disorders
 - Hemophilia
 - Purpura etc
- Blood transfusion safety checks procedure and requirement management of adverse transfusion reaction records for transfusion.
- Management and counseling of blood donors phlebotomy procedure and post donation management
- Blood bank functioning and hospital transfusion committee
- Bio-safety and waste management in relation to blood transfusion

UNIT XVI -

07 Hours

- Nursing in emergencies
- cardiac emergencies
- Trauma
- Poisoning
- Crisis management: Thyroid, crisis Hypertensive crisis, adrenal crisis.

PRACTICUM

- Students should rotated in the selected medical & surgical areas, like Cardio Thoracic, Neurology, Urology, Orthopedices, Gynecology Oncology, Burns and Reconstructive surgical units.
- The students should given patient assignment. They have to practice patient centered comprehensive nursing.
- Each student is required to give planned health teachings conduct clinical teaching case presentation and drug study.

ENGLISH

Placement : 1st Year

Time allotted : Theory -60 Hrs

COURSE DESCRIPTION

The course is designed to help the student understand and usage of English language required for their professional work

OBJECTIVES

At the end of the course, the student will develop

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

COURSE CONTENTS

UNIT I – 10 Hours

- Remedial Study of Grammar
- Review of grammar, vocabulary and effective use of dictionary.
- Prepare task oriented seminars.
- Symposia and panel discussion.

UNIT II – 15 Hours

- The ability to understand selected passage and express meaning in one's own words
- Reading and comprehension of the prescribed books.

UNIT III –

25 Hours

- The study of various forms of composition,
- Note taking
- Diary
- Nurses notes, anecdotal records
- Writing of summary.
- Nurse reports on health problems .

The student will submit one sample of each item from her own practical experience

UNIT IV -

10 Hours

- Verbal communication
- Oral reports
- Summarization of discussion.
- Debate
- Listing comprehension – Film, Cassette and radio

PRACTICUM

- The clinical experience in the wards and bed side nursing will provide opportunity for students to fulfill the objectives of learning language
- Assignment on writing and conversation through participation in discussion debates seminars and symposia. The students will gain further skills in task oriented communication.

METHODS OF TEACHING

1. Lecture
2. Pair and Group Work
3. Role plays
- 4 Oral presentations.
5. Decoding & production grammar exercise.
6. Comprehension exercise
7. Writing assignments.
8. Word puzzles & Quizzes.
9. Communicative games & fluency activities.

Methods of Evaluation:

1. Individual Oral presentations.
2. Group Discussion.
3. Answering questions front the prescribed English text.
4. Summary / Essay / Letter writing.
5. Gram-mar Exercises.
6. Medical / General vocabulary exercises

English 100 marks

Internal Examination : 100 marks

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6. O' Connor J. D, 1 986. Better English h'onuwiation. Cambridge: University Press.

7. By water F. V. A. 1982, Proficincy Course in Enish. London: 1-lodder and Stronglton.

8. Roget S. P.. 1960, Thes2unis ol' Eiiglisli Words & Phrases, London: Lows & Brydone Ltd. 1960.

COURSE CONTENTS

UNIT-I – INTRODUCTION TO MATERNITY & HISTORICAL REVIEW

05 Hours

- Introduction and historical review
- Planned parenthood
- Maternal morbidity and mortality rates
- Legislations related to maternity benefits, MTP acts, incentives for family planning etc
- Family welfare programme.

UNIT II – REVIEW OF FEMALE REPRODUCTIVE SYSTEM

05 Hours

- Review of the anatomy and physiology of female reproductive system
- Female pelvis (normal and contracted)
- Review of foetal development

UNIT III – PREGNANCY , LABOUR AND PUERPERIUM

30 Hours

Practical 150 Hours

- Physiology and management of pregnancy, labour and puerperium
- Signs and symptoms and diagnosis of pregnancy
- Antenatal care
- Pregnant women with HIV/AIDS
- Management of common gynecological problems

UNIT IV – NURSING CARE OF NEW BORN

10 Hours

Practical 50 Hours

- The New born baby
- Care of the baby at birth including resuscitation

- Essential Newborn Care
 - Feeding
 - Jaundice and infection
 - Small & large for date babies
 - Intensive care of the new born
 - Trauma and hemorrhage

UNIT V – ABNORMAL PREGNANCIES, LABOUR AND PUERPERIUM

25 Hours
Practical 60 Hours

- Management of abnormal pregnancy, labour and puerperium
- Abortion, entopic pregnancy and vesicular mole
- Pregnancy induced hypertension, gestational diabetes, anemia, heart disease.
- Urinary infections, antepartum hemorrhage
- Abnormal labour (malposition & malpresentation)
 - Uterine inertia
 - Disorders of puerperium
 - Management of engorged breast, cracked nipples, breast abscess and mastitis
 - Puerperal sepsis
 - Post partum haemorrhage
 - Inversion and prolapse of uterus, obstetrical emergencies
 - Obstetrical operation i.e forceps, vacuum, episiotomy cesarean section

UNIT VI – DRUGS IN OBSTETRICS

05 Hours

- Drugs in obstetrics
- Effects of drugs during pregnancy, labour and puerperium mother & baby

UNIT VII – MCH PROGRAMES

**10 Hours
Practical 40 Hours**

- National Welfare Programmes for women
- National Family Welfare Programme
- Infertile couple
- Problems associated with unwanted pregnancy
- Unwed mothers

PRACTCUM

1. The students will
 - a. Be posted in antenatal Clinic, MCH clinic antenatal ward labour room Postnatal ward maternity OT
 - b. Visit welfare agencies for women and write observation report
 - β. Follow nursing process in providing care to 3-6 patients
 - χ. Write at least two nursing care studies and do a presentation
 - δ. Give at least one planned health teaching to a group of mothers
2. Practice following nursing procedures
 - α. Antenatal & Post natal examination, per vaginal exam.
 - β. conduct normal delivery stitching of episiotomy (For male candidates minimum conduct of 5 deliveries)
 - χ. Motivation of family for adopting family planning methods

- δ. Motivate family for planned parenthood.
- ε. Assist in various diagnostic and therapeutic procedures including IUD insertion and removal.

METHOD OF TEAHCING

1. Lecture and Discussion
2. Demonstration
3. Class Teaching
4. Clinical Presentation
5. Nursing Care Study & Care Note
6. Seminar & Symposium
7. Field Visit
8. Project Presentation

METHOD OF EVALUATION :

1. Written Test
2. Assessment of Seminar & Projects
3. Evaluating of Clinical Practice and Clinical Experience Record
4. Evaluating Care Note and Care Plan
5. Suggested Practicals

WEIGHTAGE OF MARKS

<i>Theory</i>	<i>50 MARKS</i>	<i>Term test</i>	<i>30 marks</i>
		<i>Assignment</i>	<i>20marks</i>

PRACTICAL 50 MARKS

<i>Practical Examination</i>	<i>25 marks</i>
<i>Clinical Evaluation</i>	<i>10 marks</i>
<i>Case study/case book</i>	<i>5 marks</i>
<i>Practical record</i>	<i>5 marks</i>
<i>Observational /field visit</i>	<i>5 marks</i>

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