PROGRAMME
POST BASIC B.SC. NURSING

Ordinance No. (V-39 B)

Approved by the Academic Council in its meeting held on 16-6-2014

FACULTY OF NURSING

SWAMI VIVEKANAND SUBHARTI UNIVERSITY, MEERUT

PRINCIPAL
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NURSING FOUNDATION

Placement: First Year Time Allotted: - 45 Hrs

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 practices of Nursing and developments in the Nursing Profession.

OBJECTIVES

At the end of the course, the student will:
Identify Professional aspects of Nursing.
Explain theories of Nursing.
Identify ethical aspects of Nursing Profession.
Utilize steps of Nursing Process.
Identify the role of the Nurse in various levels of health services.
Appreciate the significance of quality assurance in Nursing.
Explain current trends in health and Nursing.

COURSE CONTENTS

UNIT I

Development of Nursing as a Profession:
Its philosophy
Objectives and responsibilities of a graduate Nurse.
Trends influencing Nursing Practices.
Expended role of the Nurse.
Development of Nursing Education in India and trends in Nursing Education.
Professional organization, career planning.
Code of ethics & Professional conduct for Nurse.

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UNIT II

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

UNIT III

Theory of Nursing practices.
Meta-paradigm of Nursing – characterized by four central concepts i.e. Nurse, person (client/patient), health and environment.

UNIT IV

Nursing process.
Assessment: Tools for assessment, methods, recording.
Planning: Teaching for planning care, types of care plans.
Implementation: Different approaches to care, organizations and implementation of care,
record.
Evaluation: tools for evaluation, process of evaluation, types of evaluation.

UNIT V

Quality assurance: Nursing Standards, Nursing audit, total quality management.
Role of council and Professional bodies in maintenance of standards.

UNIT VI

Primary health care concept:
Community oriented Nursing
Holistic Nursing
Primary Nursing.
Family oriented Nursing concept:
Problem oriented Nursing
Progressive patient care
Team Nursing

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NUTRITON AND DIETICS

Placement: First Year Time Allotted: Theory - 45 Hrs Practical-15 Hrs

COURSE DESCRIPTION:

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

OBJECTIVES

At the end of the course, the student will:
Explain the principles and practices of nutrition and dietetics.
Plan therapeutic diets in different settings.
Identify nutritional needs of different age groups and plan diet accordingly.
Prepare meals using different methods utilizing cookery rules.

COURSE CONTENTS UNIT I
Introduction to nutrition and dietetics.
Balanced diet, factors on which it depends.
Factors to be considered in planning.
Guidelines available for planning.
Food hygiene, preparation and preservation.
Review of nutrients – micro & macro.

UNIT II

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 stages, deficiency diseases and malnutrition, overweight and underweight.
Unit III

Infant and child nutrition.

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Feeding of normal infants: factors to be considered in planning nutritional requirements.
Feeding of premature infants: factors to be considered in panning 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: Advantage, need in India.
Unit IV

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.
Methods of assessing nutritional status of individual / group / community.
Current nutritional problems and national programmes.

PRACTICUM

Methods of cooking and cookery rules.
Simple preparation of beverages, soups, cereals and pulses, eggs, vegetables, meat.
Menu plans.
Preparation of supplementary food for infants.
Foods for toddlers.
Low cost nutritious dishes for vulnerable groups.
Dietary case study of patient on special diet planning of low cost dietary instructions for
home adaptations.
Planning of therapeutic diets.

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BIOCHEMISTRY AND BIOPHYSICS

Placement: First Year Time Allotted
Section A (Biochemistry)-Theory 30 hrs Section A (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:
Identify the basic principles of Biochemistry and Biophysics.
Synthesize the knowledge of these principles in various Nursing situations.

Section A: Biochemistry

Theory – 30hrs
COURSE CONTENTS

UNIT I
Introduction: Importance of Biochemistry in Nursing.
Study of cell and its various components.
UNIT II
Water and Electrolytes: Water – Sources, property & functions in human body.
Water and fluid balance.
Electrolytes of human body, functions, sources.

UNIT III
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
Various factors influencing the digestion and absorption, mal-absorption syndrome.
UNIT IV

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Carbohydrates: Catabolism of carbohydrates for energy purposes.
Mitrochondrial 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
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
Fat: Biosynthesis of fats and storage of fats in the body.
Role of liver in fat metabolism.
Biological importance of important lipids and their functions
Cholesterol and lipoprotein
Sources, occurrence and distribution
Blood level and metabolism
Ketone bodies and utilization.
Inter relationship in metabolism and cellular control of metabolic processes.

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Section B: Biophysics

Theory – 30 hrs

COURSE CONTENTS

UNIT I

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

UNIT II

Vector and scalar motion, speed, velocity and acceleration.

UNIT III

Gravity: Specific gravity, centre of gravity, principles of gravity.
Effect of gravitational forces on human body.
Application of principles of gravity in Nursing.

UNIT IV

Force, work, energy: 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

Heat: 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

Light: Laws of reflection.
Focusing elements of the eye, defective vision and 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.

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UNIT VII
Pressures: Atmospheric pressure, hydrostatic pressure, osmotic pressure.
Measurements of pressures in the body
Arterial and venous blood pressures
Ocular pressure
Intracranial pressure
Application of these principles in Nursing.
UNIT VIII
Sound: Frequency, velocity and intensity.
Vocalization and hearing.
Use of ultrasound. Noise pollution and its prevention.
Application of these principles in Nursing.
UNIT IX
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 defibrillation.
Magnetism and electricity.
M.R.I. Scanning, C.A.T scan.
UNIT X
Atomic energy: Structure of atom, isotopes and isobars.
Radioactivity: Use of radioactive isotopes.
Radiation protection units and limits, instruments used for detection of ionizing radiation. X Rays.
UNIT XI
Principles of electronics: Common electronic equipments used in patient care.
PRACTICUM
Experiments and tests should be demonstrated wherever applicable.

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PSYCHOLOGY

Placement: First Year Time Allotted: - 60 Hrs Practical :-15 hrs

COURSE DESCRIPTION:

This course is designed to reorient and widen the student's 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 behaviours. This course would also help the student to develop an insight into her own behaviour.

OBJECTIVES

At the end of course, the student will:
Apply psychological principles while performing Nursing duties.
Distinguish the psychological processes during health and sickness.
Analyze own behaviour patterns.
Tabulate the psychological needs of the patients for planning Nursing care.
Participate in psychometric assessment of the client.

COURSE CONTENTS

UNIT I
Introduction: Definition of psychology, scope and methods of psychology.
Relationship with other subject.
UNIT II
Sensation, Attention and Perception: Definitions.
Sensory processes: Normal and abnormal.
Attention and distraction: Contributory factors.
Characteristics of perception, Perception: normal and abnormal.
UNIT III
Motivation: Definition and nature of motivation.
Biological and social motives.
Frustration and conflicts.
Self- actualization.

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UNIT IV
Emotions: Definition of emotions, Expression and perception.
Emotions in sickness.
UNIT V
Personality: Definition, constituents of personality.
Personality in sickness and Nursing.
UNIT VI
Psychological aspects of Nursing.
Behaviour and sickness. Psychological needs of:
Child and adolescents
Adult
Aged
Attendants
Chronically ill individual.
UNIT VII
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: Definition.
Intelligence and abilities during sickness.
Measurement of intelligence and abilities.
UNIT IX
Learning: Definition, Conditions of learning.
Laws of learning.
Learning during health and sickness.
UNIT X
Memory and forgetting: Definition and nature of memory.
Memory during health and sickness.
Forgetting during health and sickness.
UNIT XI
Attitudes: Definition, development and modification.
Role of attitudes in health and sickness.
UNIT XII
Concept of mental hygiene & mental health.
Characteristics of a mentally healthy person.

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Defence mechanisms.
PRACTICUM
Simple experiments on (i) perception (ii) measuring thresholds (iii) reaction time.
Administration of psychological tests.
Observation and recording data: (i) field observation (ii) interview (iii) Case study (iv) Self rating.

MICROBIOLOGY

Placement: - First Year Time Allotted Theory -60 hrs Practical-30 hrs

COURSE DESCRIPTION:

This course 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 of materials containing harmful bacteria and methods of destroying microorganisms.

OBJECTIVES

At the end of course the student will:
Identify common disease producing micro- organisms.
Explain the basic principles of microbiology and their significance in health and disease.
Demonstrate skill in handling specimens.
Explain various methods of dis-infection and sterilization.
Identify the role of the Nurse in hospital infection control system.

COURSE CONTENTS

UNIT I

Structure and classification of microbes.
Morphological types.
Size and form of bacteria.
Motility.
Classification of micro-organisms.
Practical:

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

UNIT II

Identification of micro-organisms.
Discussion of laboratory methods.
Diagnosis of bacterial diseases.
Practical:
Staining techniques- gram staining, acid fast staining.
Hanging drop preparation.

UNIT III

Growth and nutrition of microbes.
Temperature.
Moisture.
Blood.
Practical
Preparation of media culture techniques.
Collection, handling and transportation of various specimens.

UNIT IV

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

Disease producing micro- organisms.
Gram positive bacilli.
Tuberculosis and leprosy.
Anaerobes.
Cocci.
Spirochaete.
Rickettsiae.
Practical: Identification and study of the following bacteria: streptococci,

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Pneumococci, and Staphylococci Corynebacteria, Spirochetes and gonococci. Enteric bacteria, Posting in infection control department.

UNIT VI

Pathogenic Fungi.

Dermatophytes.

Systemic Mycotic infection.

Laboratory diagnosis of Mycotic infection.

UNIT VII

Immunity.

Immunity and hypersensitivity - Skin test.

Antigen and antibody reaction.

Immunization in disease.

Practical: Demonstration of serological methods.

UNIT VIII

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

Viruses.

Classification and general character of viruses.

Diseases caused by viruses in man and animal and their control.

UNIT X

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 specimens,

prevention and control of hospital infections, sterilization, immunization, chemotherapy and

maintenance of personal and environmental hygiene. Observation visit to incinerator, posting in

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CSSD and infection control department.

MATERNAL NURSING

Placement: - First Year Time Allotted Theory -60 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 a child bearing mother in a hospital or community and help in the management of common gynecological problems.

OBJECTIVES

At end of the course, the student will:
Describe the Physiology of pregnancy, labour and puerperium.
Manage normal pregnancy, labour and puerperium.
Explain the Physiology of lactation and advice on management of breast feeding.
Be skilled in providing pre and post operative Nursing care in obstetric conditions.
Identify and manage high risk pregnancy including appropriate referrals.
Propagate the concept and motivate acceptance of family planning methods.
Teach, guide and supervise auxiliary midwifery personnel.

COURSE CONTENTS UNIT I
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
Review of the Anatomy and Physiology of female reproductive system.
Female pelvis (normal and contracted).
Review of Foetal development.

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UNIT III
Physiology and management of pregnancy, labour and puerperium.
Signs and symptoms and diagnosis of pregnancy.
Antenatal care.
Pregnant woman with HIV/ AIDS.
Management of common Gynaecological problems.
UNIT IV
The new born body.
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
Management of abnormal pregnancy, labour and puerperium.
Abortion, ectopic pregnancy and vesicular mole.
Pregnancy induced hypertension, gestational diabetes, anaemia, heart disease.
Urinary infection, Antepartum haemorrhage.
Abnormal labour (malposition & malpresentation):
Uterine inertia
Disorders of puerperium
Management of engorged breast, cracked nipples, breast abscess and mastitis
Pueperal sepsis
Post partum haemorrhage
Inversion and prolapsed of uterus, obstetrical emergencies
Obstetrical operation i.e. forceps, vacuum, episiotomy, caesarean section.

UNIT VI
Drugs in obstetrics.
Effects of drugs during pregnancy, labour and puerperium on mother & baby.

UNIT VII
National Welfare Programmes for Women.
National Family Welfare Programme.
Infertile Family.
Problems associated with unwanted pregnancy.

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Unwed mothers.

PRACTICUM

The student will:

Be posted in antenatal Clinic, MCH clinic, antenatal ward, labour room, postnatal ward,

maternity OT, MTP room.

Visit welfare agencies for woman and write observation report.

Follow Nursing process in providing care to 3-6 patients.

Write at least two Nursing care studies and do a presentation.

Give at least one planned health teaching to a group of mothers.

Practices following Nursing procedures -

Antenatal & Post natal examination, per vaginal exam.

Conduct normal delivery, stitching of episiotomy, (for male candidate minimum conduct of 5

deliveries)

Motivation of family for adopting family planning methods.

Motivate family for Planned Parenthood.

Assist in various diagnostic and therapeutic procedures including IUD insertion and removal.

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CHILD HEALTH NURSING

Placement: - First Year Time Allotted Theory -60 hrs Practical-240 hrs

COURSE DESCRIPTION:
This course is aimed at developing an understanding of the modern approach to child care, the common health problems of children and neonates in health and sickness.

OBJECTIVES
At the end of the course, the student will:
Explain the modern concept of child care and the principles of Paediatric Nursing.
Describe the normal growth and development of children at different ages.
Manage sick as well as healthy neonates and children.
Identity various aspects of preventive Paediatric Nursing and apply them in providing Nursing care to children in hospital and community.

COURSE CONTENTS

UNIT I
Introduction.
Modern concept of child care.
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 of child health.
Child morbidity and mortality rates.
Differences between an adult and child.
Hospital environment for a sick child.
The role of a Paediatric Nurse in caring for a hospitalized child.
Principles of Pre and Post operative care of infants and children.
Paediatric Nursing procedures.

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UNIT II
The healthy child.
Growth and development from birth to adolescence.
The needs of normal children through the stages of development and parental guidance.
Nutritional needs of children & infants breast- feeding, supplementary/ artificial feeding and weaning.
Accidents, causes and prevention.
Value of play selection of play material.
Preventive immunization.
UNIT III
Nursing care of a neonate.
Nursing care of a normal newborn.
Neonatal resuscitation.
Nursing management of a low birth weight baby.
Nursing management of common neonatal disorders.
Organization of neonatal unit. Preventive of infections in the nursery.
UNIT IV
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 disorder – Nephrotic syndrome, Wilms' tumor, infection and congenital disorders.
Neurological infections and disorders- convulsions, epilepsy, meningitis, hydrocephalus,
spinabifida.
Hematological disorders – Anemias, Thalassemia, ITP, Leukemia, hemophilia.
Endocrine disorders – Juvenile Diabetes Mellitus.
Orthopedic disorders – club foot, 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, haemorrage, burns and drowning.

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UNIT V

Management of behavioural disorders in children.

Management of challenged children:

Mentally challenged

Physically challenged

Socially challenged.

PRACTICUM

The student will:

Be posted in Paediatric Medical and Surgical wards, OPD in hospital, health centre and neonatal units.

Visit a centre for handicapped children and child welfare centre and write observation report.

Write an observational study of normal children of various age groups in home/ nursery school/ crèche.

Follow Nursing process in providing care to 3-6 children.

Write at least two Nursing care studies and do a presentation.

Give two planned health teachings, one in hospital and one in OPD / health centre.

Practice the following Nursing procedures:

Taking pediatric history

Physical assessment of children

Baby bath

Feeding

Restraining.

Calculation of dosage of drugs and administration of medications and injections.

Collection of specimens.

Enema, bowel wash, colostomy irrigation.

Steam and oxygen inhalation.

Preparation to assist with diagnostic tests and operations.

Examination / Assessment of a newborn.

Neonatal resuscitation.

Care of a baby in incubator and on ventilator.

Photo Therapy.

Assist in exchange transfusion and other therapeutic procedures.

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MEDICAL SURGICAL NURSING

Placement: - First Year Time Allotted Theory -90 hrs Practical-270 hrs

COURSE DESCRIPTION:

The purpose of this course is to widen the students' knowledge and develop proficiency in caring for patients with medical surgical problems. This course includes review of relevant Anatomy and Physiology, Pathophysiology in Medical-Surgical disorders and Nursing management of these conditions.

OBJECTIVES

At the end of the course, the student will:

Explain relevant Anatomy and Physiology of various systems of the body.

Explain Pathophysiology of various disorders.

Explain the actions, side effects and Nursing implications in administering drugs for various disorders.

Discuss the recent advancement in the treatment and care of patients with medical surgical conditions.

Develop skill in giving comprehensive Nursing care to patients following the steps of Nursing process.

Assist the patients and their families in identifying and meeting their own health needs.

Appreciate the role of the nurse in the medical surgical health term.

COURSE CONTENTS

UNIT I

Introduction to 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.

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UNIT II
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 undergoing surgery
Incontinence.
UNIT III
Nursing management of patient with Neurological and Neurosurgical conditions.
Review of Anatomy and Physiology of the Nervous System.
Pathophysiology, diagnostic procedures and management of**.**
Cerebro-vascular accident.
Cranial spinal and peripheral Neuropathies.
Headache 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 malformations, degenerative diseases.
UNIT IV
Nursing management of patient with Cardiovascular problems.
Review of relevant Anatomy and Physiology of Cardiovascular 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

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Cardiac emergencies: Cardiac Arrest, acute pulmonary oedema, cardiac tamponade, cardiogenic shock, aneurysms and peripherovascular disorders, recent advancement in cardiology.

Unit V

Nursing management of patient with respiratory problems.

Review of Anatomy and Physiology of respiratory 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

Nursing management of patient with Genito-urinary problems.

Review of Anatomy and Physiology of the Genito-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

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

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Infections
Acute abdomen
Colitis, diarrhoea, dysenetry & mal-absorption syndrome.
Cholecystitis
Hepatitis, hepatic coma and cirrhosis of liver
Portal hypertension
Pancreatitits
Tumors, Hernias, Fistulas, Fissures, Hemorrhoids.
Drugs used in the management of these patients.

UNIT VIII
Nursing management of patients with endocrine problems.
Review of Anatomy and physiology and Pathophysiology of patients with:
Thyroid disorders
Diabetes mellitus
Diabetes insipidus
Adrenal tumour
Pituitary disorders
Diagnostic procedures.
Nursing management of patient with above problems.
Drug used in Endocrine problems.
UNIT IX
Nursing management of patients with musculoskeletal problems.
Review of anatomy, Physiology and 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
Nursing management of patient with disorders of female reproductive tract.
Disorder of menstruation.
Infections of the genital tract.

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Benign and malignant tumors of the genital tract.
R.V.F., V.V.F.
Climateric changes and associated problems.
UNIT XI
Nursing management of patients 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
Nursing management of patient with burns.
Nursing management of patient with reconstructive surgeries.
UNIT XIII
Nursing management of patient with common communicable diseases & STD'S.
Nursing management of patient with immunological disorders including HIV/AIDS.
UNIT XIV
Nursing management of patient with diseases of eye, ear, nose, throat & skin.
UNIT XV
Nursing management of patient with blood disorders
Review of Anatomy & Physiology of Blood & Blood products.
Pathophysiology, diagnostic procedures and management of blood disorders:
Anemia
Leukemia
Bleeding disorders
Hemophilia
Purpura etc.
Blood transfusion, safety checks, procedure and requirements. Management of adverse transfusion reaction, records for blood 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
Nursing in emergencies.
Cardiac emergencies.
Trauma.

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Poisoning.
Crisis management: Thyroid crisis, Hypertensive crisis and Adrenal crisis.

PRACTICUM
Students should be rotated in the selected medical & surgical areas, like Cardio Thoracic, Neurology, Urology, Orthopedics, Gynecology, Oncology, and Burns and Reconstructivesurgical units.
The students should be given patient assignment. They have practices patient centeredcomprehensive Nursing.
Each student is requested to give planned health teachings, conduct clinical teaching, casepresentation and drug study.

ENGLISH

Placement: - First Year Time Allotted Theory -60 hrs

COURSE DESCRIPTION:
This course is designed to help the students understand and use skills of English language required for their professional work.
OBJECTIVES
After the course the student will develop:
Ability to speak and write grammatically correct English.
Effective skill in reading and understanding the English language.
Skill in reporting.
COURSE CONTENTS UNIT I
Remedial study of Grammar.
Review of grammar, vocabulary and effective use of dictionary.
Prepare task oriented seminars.
Symposia and panel discussion.
UNIT II
The ability to understand selected passage and express meaning in one's own words.
Reading and comprehension of the prescribed books.
UNIT III
The study of various forms of composition:
Note taking
Diary
Nurse notes, Anecdotal records
Writing of summary

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Nurses' reports on health problems.
The student will submit one sample of each item from his/her own practical experience.
UNIT IV
Verbal communication.
Oral reports.
Summarizing of the discussion.
Debate.
Listening 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 skill in task oriented communication.

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POST BASIC B.SC. NURSING YEAR – II

SOCIOLOGY

Placement: - Second Year **Time Allotted Theory -60 hrs**

COURSE DESCRIPTION:
This course is to reorient students to Sociological relation to community and social institution in India and its relationship with health, illness and Nursing.

OBJECTIVES
At the end of the course, the student will:
Describe Sociological concepts that are applicable to Nursing.
Determine role of Sociology in Nursing as related to social institutions in India.
Develop positive attitudes towards individual, family and community.
COURSE CONTENTS UNIT I
Introduction.
Importance of study of Sociology in Nursing, relationship of Anthropology, Sociology, etc.
UNIT II
Individual and the society.
Socialization.
Interdependence of the individual and society.
Personal disorganization.
UNIT III
Culture.
Nature of culture.
Evolution of culture.
Diversity and uniformity of culture.

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UNIT IV
Social organization.
Social groups, Crowds and Public groups, Nations, Race.
Social Institutions: Family, Marriage, Education, Religion, Arts, Economic organization,
Political organization.
The Urban & Rural community in India: Ecology, characteristics of the village, characteristics of the town and city.
Social stratification: Class and Caste.

UNIT V
Social Process.
Process of Social Interaction: Competition, Conflict- war, Cooperation, Accommodation and Assimilation.

UNIT VI
Social Change.
Nature and process of Social Change: Factors influencing cultural change.
Cultural Lag.

UNIT VII
Social Problems.
Social disorganization control & planning: Poverty, Population Housing, Illiteracy, Food supplies, growth of urbanization, Prostitution, Minority groups, rights of woman & children, child labour, child abuse delinquency and crime, substance abuse.

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COMMUNITY HEALTH NURSING

Placement: - Second year **Time Allotted Theory -60 hrs Practical-240 hrs**

COURSE DESCRIPTION:

The course enables the students to understand the national health care delivery system and to participate in the delivery of Community Health Nursing.

OBJECTIVES

At the end of the course, the student will:

Explain the concepts of various factors contributing to health of individual, family and Community.

Identify the role of a Community Health Nurse.

Describe National Health Care delivery system.

Describe Epidemiological methods and principles of prevention and control of illness in the community.

Identify the role of personnel working in the Community Health setting.

Plan the work of Community Health Nursing, and supervise and train health workers.

COURSE CONTENTS UNIT I

Introduction to Community Health – Concepts, Principles and Elements of Primary Health Care.

Introduction to Community Health Nursing.

Concept of Community Health Nursing – Community Nursing process.

Objective, Scope and Principles of Community Health Nursing.

UNIT II

Family Health Services.

Concept, Objective, Scope and Principles.

Individual, Family and Community as a unit of service.

Principles and techniques of home visiting.

Establishing working relationship with the family.

Working with families in relation to prevention of diseases, promotion of health.

Care of the sick in the home, physically handicapped and mentally challenged.

Surveillance and Monitoring.

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UNIT III
Organization and Administration of health services in India.
National Health Policy.
Health Care Delivery system in India.
Health team concepts:
Centre, State, District, Urban Health Services, Rural Health Services
System of medicines
Centrally sponsored health schemes
Role of voluntary health organizations and International Health Agencies
Role of health personnel in the community
Public Health Legislation.
UNIT IV
Health Education:
Aims, Concepts and Scope of Health Education.
National Plan for Health Education
Communication Techniques
Methods and media for health education programmes
Planning for health education and role of nurse.
UNIT V
Role of the Community Health Nurse.
National Health Programmes:
Maternal and child health programmes
Family welfare and school health services
Occupational health services.
As a member of the health team.
Training and supervision of health care workers.
UNIT VI
Epidemiology
Definition – concepts, aims, objectives, methods & principles,
Epidemiology – theories and models.
Application of Epidemiology, principles and concepts in community health.
UNIT VII
Bio-Statistics and Vital Statistics.
Introduction, definition and scope, legislation.
Report, recording and compiling of vital statistics at the local, state, national and internationallevel.
Definition and methods of computing vital statistics.
Methods of presenting data.Management information system.

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PRASCTICUM

Each student will prepare a community profile.

The student will be allotted families for gaining experience in identifying family health needs, health counselling and guidance and family budgeting for optimum health.

The student will participate in the activities of primary health centre.

Sub-centre, MCH centre.

Visits will be made to selected health and welfare agencies, water purification plant and sewage disposal plant, infectious disease hospital, child welfare centre, old aged homes, orphanages and handicapped hospitals.

Conduct health educational programmes for individual/ groups/ community.

MENTAL HEALTH NURSING

Placement: - Second Year Time Allotted Theory -60 hrs Practical-240 hrs

COURSE DESCRIPTION:

These courses enable the students to recognize and appreciate the causes, symptoms and process of abnormal human behavior. It also introduces the student to the present day treatment modalities in the light of psychological, social and cultural factors affecting human behaviour. This course helps the student to learn principles of Mental Health and Psychiatric Nursing and to develop beginning skills in the management of the mentally ill in hospital and community.

OBJECTIVES

At the end of course, the student will:

Identify and describe the Philosophy and Principles of Mental Health Nursing.

Describe the Historical Development of Mental Health and Psychiatric Nursing.

Classify Mental Disorders.

Develop skill in history taking and performing Mental status examination.

Describe etiological factors, Psychopathology, clinical features, diagnostic criteria and treatment methods used for mental disorders.

Manage the patients with various Mental disorders.

Communicate therapeutically with patients and their families.

Identify role of the Nurse in preventive psychiatry.

Identify the legal aspects in practice of Mental Health and Psychiatric Nursing.

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COURSE CONTENTS UNIT I
Introduction and historical development.
History of Psychiatry.
Historical development of Mental Health Nursing.
Philosophy, Principles of Mental Health Nursing and Psychiatric Nursing.
Concept of normal and abnormal behavior.
Role and qualities of Mental Health and Psychiatric Nurse.
Mental Health team and functions of team members.
Legal aspects in Psychiatry and Mental Health services.
UNIT II
Classification and assessment of mental disorders.
Terminologies used in Psychiatry.Classification of mental disorders.
Etiological factors and psychopathology of mental disorders.
History taking an assessment methods for mental disorders.
UNIT III
Therapeutic communication.
Communication process.
Interview skills, therapeutic communication techniques. Nurse patient relationship, therapeutic impasse and its management process recording.
UNIT IV
Management of mental disorders
Etiological factors, psychopathology, types, clinical features, diagnostic criteria, treatment and Nursing management of patient with following disorders:
Neurotic disorders: Anxiety Neurosis, Depressive Neurosis, Obsessive Compulsive Neurosis, Phobic Neurosis and Hypochondriacal Neurosis, stress related and somatoform disorders.
Psychotic disorders: Schizophrenic form, Affective and Organic psychosis.
Organic Brain syndromes
Psychosomatic disorders
Personality disorders
Disorders of Childhood and Adolescence.
UNIT V
Management of patients with Substance use disorders.
Substance use and misuse.
Dependence, Intoxication and Withdrawal
Classification of Psychoactive Substances
Etiological & Contributory factors
Psychopathology

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Clinical features
Diagnostic criteria.
Treatment and Nursing management of patient with Substance use disorders.
Preventive and rehabilitative aspects in substance abuse.
UNIT VI
Management of mental sub-normality.
Classification of mental sub-normality.
Etiological factors, psychopathology, psychometric assessment. Diagnostic criteria and management of sub-normality.
UNIT VII
Psychiatric emergencies.
Types of emergencies, psychopathology, clinical features, assessment and diagnosis, treatment and Nursing management of patient with Psychiatric emergencies.
Crisis intervention therapy.
Unit VIII
Therapeutic modalities.
Principles, indication, contraindications and role of Nurse in various treatment methods:
Therapeutic community and Milieu therapy
Occupational therapy
Psychotherapy
Behaviour therapy
Group therapy
Family therapy
Pharmacotherapy
Electro convulsive therapy
Other miscellaneous therapies.
Unit IX
Preventive Psychiatry.
Model of prevention.
Role of Nursing in preventive Psychiatry.
Psychiatric social work.
Community Mental Health Nursing.
Community Mental Health agencies.
National Mental Health programmes.
PRACTICUM
The student will be provided opportunity to:
Observe, Record and Report the behaviour of their selected patients.

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Record the process of interaction.
Assess the Nursing needs of their selected patients, plan and implement the Nursing intervention.
Counsel the attendant and family members of patient.
Participate in the activities of Psychiatric team.
Write observation report after a field visit to the following places:
Child guidance clinic.
School / Special Schools (For mentally subnormal)
Mental Hospital,
Community Mental Health Centres.
De-addiction and Rehabilitation Centres.

INTRODUCTION TO NURSING EDUCATION

Placement: - Second Year Time Allotted Theory -60 hrs Practical-75 hrs

COURSE DESCRIPTION:
This course introduces the students to the principles and concepts of education, curriculum development, and methods and media of teaching. It also describes the steps in curriculum development and implementation of education programmes in Nursing.

OBJECTIVES
At the end of the course, the students will:
Describe the philosophy and principles of education.
Explain the teaching – learning process.
Develop the ability to teach using various methods and media.
Describe the process of assessment.
Describe the administrative aspects of school of Nursing.
Participate in planning and organizing an in-service education programme.
Develop basic skill of counselling and guidance.

COURSE CONTENTS
Unit I
Introduction to education:
Meaning of education, aims, function and principles.
Philosophy of education:
Factors influencing development of philosophy of Nursing Education.
UNIT II

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Teaching learning process.
Nature and characteristics of learning.
Principles and maxims of teaching
Formulating objectives.
Lesson planning.
UNIT III
Methods of teaching:
Teaching methods
Lecturer
Discussion
Demonstration
Group discussion
Project
Role play
Panel discussion
Symposium
Seminar
Field trip
Workshop
Exhibition
Programmed instruction
Computer assisted learning.
Clinical teaching methods:
Case methods
Case presentation
Nursing rounds and reports
Bedside clinic
Conference (individual and group)
Recording of interaction process.
UNIT IV
Educational media.
Communication Process: Factors Affecting Communication.
Purpose and Types of Audio-Visual Aids.
Graphics aids: Chalk-board, Charts, Graphs, Poster, Flash Cards, Flannel graph / Khadigraph, Bulletin, Cartoon,
Three Dimensional Aids: Objects, Specimen, Models, Puppets.
Printed Aids: Pamphlets and Leaflets.
Projected Aids: Slides, Films and Television, VCR, VCP, Overhead Projector,

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Camera,
Microscope.
Audio Aids: Tape Recorder, Public address system, Computer.
UNIT V
Methods of assessment.
Purpose and Scope of evaluation and assessment.
Criteria for selection of assessment techniques and methods.
Assessment of knowledge: essay type question, SAQ (short answer questions).
MCQ (multiple choice questions).
Assessment of skills: observation, check list. Practical examination Viva, objective structured clinical examination.
Assessment of attitude: Attitude scale.
UNIT VI
Management of School of Nursing.
Planning of school of Nursing, organization.
Recruitment of teaching staff, budget, facilities for the school, student selection and admission procedure, administrative planning of students, welfare services for students,maintenance of schools records, preparation of annual reports, INC guidelines for schools of Nursing.

Unit VII
Guidance and counselling: Definition.
Basic principles of guidance and counselling.
Organization of guidance and counselling services.
Counselling process.
Managing disciplinary problems.
Management of crisis.

Unit VIII
In-service education.
Introduction to nature and scope of in-service education programme.
Principles of adult learning.
Planning for in-service programme.
Techniques, and methods of staff education programme
Evaluation of in- service programme.

PRACTICUM

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Each student should:
Conduct five planned teaching using different methods and media.
Prepare different types of teaching aids.
Plan, organize and conduct in-service education programme
Conduct at least one counselling session.
Prepare rotation plans.

INTRODUCTION TO NURSING ADMINISTRATION

Placement: - Second Year Time Allotted Theory -60 hrs Practical-180 hrs

COURSE DESCRIPTION:

, This course is designed to give an opportunity to the student togain an understanding of the principle of administration and its application to nursing service. It is also intended to assist the students to develop an understanding of professional leadership need.

OBJECTIVES
At the end of the course, the student will:
Identify the principles of administration.
Describe the principles and techniques of supervision.
Explain the principles and methods of personnel management.
Explain the principles of budgeting.
Organize and manage a Nursing unit effectively.
Identify dynamics of organizational behavior, styles and functions of effective leadership.

COURSE CONTENTS UNIT I
Principles and Practices of administration.
Significance, elements and principles of administration,
Organization of Hospital – Definition, aims, functions, and classifications, health term.
Policies of hospital, different departments with special emphasis to department of Nursing &
office management.
Responsibilities of the Nursing personnel especially of ward Sister, medico legal aspects,
concept of cost effectiveness.

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UNIT II
Nursing Unit Management.
Physical layout of a Nursing Unit and necessary facilities.
Factors affecting the quality of Nursing care.
Maintenance of a therapeutic environment
Administration of the unit – management of patient care.
Maintenance of physical environment.
Assignment of duties and time plan.
Patient assignment, safety measures, prevention of accidents and infections.
Maintenance of patients' records and reports, legal responsibilities.
Maintenance of quality Nursing care, Nursing audit.
UNIT III
Personnel management.
Staff recruitment and selection, appointment, promotions, personnel policies and jobs descriptions.
Job analysis.
Staffing the unit, staffing norms, rotation plan, leave planning, performance appraisal, staff welfare and management of disciplinary problems.
UNIT IV
Supervision.
Principles of supervision, nature and objectives.
Tools and techniques of supervision.
Evaluation.
Nursing audit.
Staff development – orientation program.
Skill training.
Leadership development.
Problem solving process.
UNIT V
Material management.
Principles of material management.
Quality control.
Inventory, care of equipment, safekeeping.
Role of nursing personnel in material management.
UNIT VI

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Financial Management.
Budgeting – principles of budgeting, audit.

UNIT VII
Organizational Behavior.
Group dynamic and human relation, organizational communication (hospital information system).
Public relation, leadership styles and functions.
Methods of reporting.
Maintaining records and reports.

PRACTICUM
Observe the functioning of Nursing administration at various level i.e. institution, Department, unit etc.
Each student will practice Ward Management under supervision.
Student will prepare rotation plan of the staff, write reports, give verbal reports of the ward and assist in maintaining the inventory of the Nursing unit.
Visit to private and government hospital and write observation reports.

INTRODUCTION TO NURSING RESEARCH AND STATISTICS

Placement: - Second Year Time Allotted Theory -45 hrs Practical-120 hrs

Course Description:
The course is designed to assist the students to develop an understanding of basic concepts of Research and Statistics, use the findings of Nursing Research in nursing practices, apply the knowledge in conducting project(S) and solve problems related to nursing using scientific method.

OBJECTIVES
At the end of the course, the students will:
Define the terms and concepts of Nursing Research.
Identify needs and scope of Nursing Research
Identify and define a Research problem
Locate and list sources of literature for a specific study
Describe different Research approaches, methods of data collection and sampling techniques
with a special reference to survey method.

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Develop tool for data collection.
Enumerate steps of data analysis and present data summary in tabular form.
Use descriptive and co-relational statistics in data analysis.
Conduct a group Research project.

COURSE CONSTANTS

INTRODUCTION TO RESEARCH METHODOLOGY UNIT I

Steps of scientific methods.
Definition of Research.
Need for Nursing Research.
Characteristics of good research. Research process.

UNIT II

Statement of Research problem.
Statement of purpose and objectives.
Definition of Research terms.
Review of literature.

UNIT III

Research approaches: historical, survey and experimental.

Unit IV

Sampling techniques and methods of data collection.
Sampling.
Instrument-questionnaire, Interview.
Observation schedule, records, measurements.
Reliability and validity of instruments.

UNIT V

Analysis of Data, Tabulation:
Classification and summarization
Presentation
Interpretation of data.

UNIT VI

Communication of research findings.
Writing report:
Organizing materials for writing
Format of the report
Use of computers.

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INTRODUCTION TO STATISTICS UNIT VII

Descriptive Statistics.

Frequency Distribution – Types of measure - frequencies, class interval, graphic methods of describing frequency.

Measures of Central Tendency – Mode, Median, Mean.

Measures of variability: Range, Standard deviation

Introduction to normal probability.

UNIT VIII

Correlation.

Computation by rank difference methods.

Uses of correlation co-efficient.

UNIT IX

Biostatistics: Crude rates and standardized rates, ratio and estimation of the trends.

UNIT X

Introduction to computers in Nursing.

Introduction to Computer and disk – operating system

Introduction to word processing

Introduction to data base

Window application: Word, Excel, Power point, Multimedia.

Use of statistical packages.

Introduction to internet & use of electronic mail.

Computer aided teaching & testing.

PRACTICUM

Students will conduct research project in small groups in selected areas of Nursing and submit a report (group studies may include studying of existing health practices, improved practices of Nursing (procedures) health records, patient records and survey of Nursing (literature).

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