

UNIT - I:

Fluid and electrolyte imbalances, Medical and surgical asepsis, Hemorrhage, Shock, Anaphylactic reaction, Allergies, Pre-operative, intra-operative and post-operative care, Basic needs of a patient, Medico-legal issues, Infection control, Bio-medical waste management, Hypo and Hyperthermia, immunization, Play therapy, Oxygen administration, Nebulization, Adult and pediatric cardio pulmonary resuscitation, Pain, Diarrhea and vomiting, Drug administration.

UNIT – II:

Gastritis, Gastric and duodenal ulcers, Gastric cancer, Peritonitis, Irritable Bowel Syndrome (IBS), Appendicitis, Intestinal obstruction, Colorectal cancer, Ano rectal abscess, Anal fistula and fissure, Hemorrhoids, Lung abscess, Empyema, Bronchial asthma, Chronic obstructive pulmonary disease, Pneumothorax, Pneumonia, Pulmonary embolism, Pulmonary edema, Acute Respiratory Distress Syndrome, Cirrhosis, Hepatic Encephalopathy, Hepatitis, Cholecystitis, Acute and chronic Pancreatitis, Cancer of pancreas, Hyperthyroidism, Hypothyroidism, Thyroid tumors, Goiter, Hypoparathyroidism, Hyperparathyroidism, Diabetes mellitus, Pheochromocytoma, Addison's disease, Cushing's syndrome.

UNIT – III:

Arrhythmia, Angina pectoris, Myocardial infarction, Valvular heart diseases – Mitral, aortic and pulmonary stenosis and regurgitation, Rheumatic fever, Pulmonary edema, Congestive cardiac failure, Rheumatoid arthritis, Systemic Lupus Erythematosus (SLE), Gout, Dermatitis, Psoriasis, Burns, Urinary tract infection, Glomerulonephritis, Pyelonephritis, Renal calculi, Nephrotic syndrome, Acute and chronic renal failure, Hemodialysis and peritoneal dialysis, Benign and malignant prostatic hypertrophy, Cancer penis, Osteomyelitis, Arthritis, Osteoporosis, Sprains, Dislocations, Fractures, Amputation, Emboli, Hypertension, Deep Vein Thrombosis (DVT), Varicose vein.

UNIT – IV:

Otitis media, Deafness, Sinusitis, Tonsillitis, Pharyngitis, Laryngitis, Cancer larynx, Conjunctivitis, Corneal ulcer, Cataract, Retinal detachment, blindness, Glaucoma, Anemias, Thalassemia, Polycythemia, Leukopenia and neutropenia, Thrombocytopenia, Hemophilia, Leukemia, Lymphomas, Hodgkin & Non Hodgkin diseases, Multiple myeloma, Increased Intracranial pressure, Seizures, Epilepsy, Cerebrovascular accident (CVA), Meningitis, Encephalitis, Guillain – Barre syndrome, Parkinsonism, Bell's Palsy, Triage, Trauma, Poisoning, Snake bites, Heat stroke, Disaster management.

UNIT - V:

Physiological changes and diagnosis of pregnancy, Antenatal care, Stages of labour, Partograph, Preparation and conduction of delivery, Essential newborn care, Bleeding in pregnancy, Ectopic pregnancy, Abortion, Hyperemesis gravidarum, Gestational diabetes mellitus, Pre eclampsia, Eclampsia, Hydromnios, Pelvic inflammatory diseases, Intra uterine growth retardation and Intra uterine death, Cervical dystocia, Premature rupture of membranes, Induction of labour, obstructed labour, Cord prolapse, Cord presentation, Amniotic fluid embolism, Obstetric shock, Rupture of uterus, shoulder dystocia, Postpartum hemorrhage, Atonic uterus, Retained placenta and membranes.

UNIT – VI:

Management of high risk and sick newborn - New born assessment, Hyperbilirubinaemia, Neonatal hypoglycemia, Hypothermia, Neonatal convulsions, Rh incompatibility, Preterm and low birth weight babies, Asphyxia, Respiratory distress syndrome, Sepsis, Birth injuries, Congenital anomalies, Newborn of HIV positive mother and diabetic mother, Levels of care in NICU, Puerperal pyrexia, Puerperal Sepsis, Thrombophlebitis and embolism, Breast engorgement and abscess, Puerperal psychosis, Infertility, Pelvic inflammatory disease, Uterine prolapse, fibroids and polyps, benign and malignant tumors of the reproductive tract, Menopause, Benign and malignant tumors of the breast.

UNIT – VII:

Growth and development from infancy to adolescent, Breast feeding, weaning, Congenital Disorders - Cleft lip and Cleft palate, anorectal malformations, hernia, Congenital hypertrophied pyloric stenosis, Hirschsprung's disease Hypospadias, Epispadias, Phimosis, Polycystic kidney, cyanotic and acyanotic heart diseases, Congenital Talipes Equino Varus (CTEV), Congenital dislocation of hips, Down's syndrome, Spina bifida, Hydrocephalus, Cerebral palsy, Meningocele.

UNIT - VIII:

Protein energy malnutrition, Intestinal obstruction, Malabsorption syndrome, Appendicitis, Meckel's diverticulum, Ulcerative colitis, Upper respiratory tract infection, Lower respiratory tract infection, Asthma, Pneumonia, Otitis media, Nephrotic syndrome, Acute Glomerulonephritis, Rheumatic fever, Congestive cardiac failure, Infective endocarditis, Anemias, Leukemia, Thalassemia, Hemophilia, Thrombocytopenic purpura, Osteomyelitis, Kyphosis, Lordosis, Scoliosis, Fractures, Meningitis, Encephalitis, Convulsive disorders, Pituitary disorders, Hypothyroidism and hyperthyroidism, Juvenile diabetes, Adrenal disorders, Mental Retardation, Dyslexia, Child abuse, burns, Bites and Stings.

UNIT – IX:

National mental health programme , Mental status examination, Therapeutic nurse patient relationship, Schizophrenic disorders, Mania, Depression, Bipolar affective disorders, Phobia, Obsessive compulsive neurosis, Psychosomatic disorders, Substance use and de-addiction, Suicide, Psychosocial therapies.

UNIT – X:

Concept of health and disease, Primary health care, Health assessment of infant, preschool, school going, adolescent, adult, antenatal woman, postnatal woman, and elderly, Disease prevention, Maternal and child care, family welfare services, Environmental hygiene, Health education, Helminthic infections, Vector borne diseases, Family planning, Communicable diseases and Sexually transmitted diseases, Organization and administration of health system in India, National health programs, Role of nursing personnel at various levels.
