

NURSING

(OBSTETRICS AND OBSTETRICAL NURSING)

**POST GRADUATE DEGREE
STANDARD**

PAPER - I CODE:085

MATERNITY NURSING

**UNIT I
INTRODUCTION**

Historical and Current perspectives in maternal and child care- Family centered maternity care - Epidemiology in obstetrics - MMR, PMR, NMR, IMR -Effect of child bearing on the family and society Preventive obstetrics Legal and Ethical aspect of obstetrics Safe Motherhood - Reproductive child health - Expanded and Extended role of Maternity Nurses, Impact of various health Committees recommendations in improving maternal and child care.

UNIT II

Review Human Reproductive Systems
Anatomy and Physiology. Human Sexuality, Sexual development - conception and fetal development, Functions and abnormalities of placenta.

UNIT III

Mental health in obstetric Nursing
Emotional needs of the pregnant mother and Family, crisis intervention, Mental health problems during pregnancy and puerperium. Premarital counselling. Normal reactions to pregnancy, Labour and puerperium. Reactions of parents of deformed child and grieving parent.

UNIT IV

Genetics
Review of Genetic disorders, Chromosomal abnormalities. Prediction & Prevention of congenital abnormalities, Genetic counselling.

UNIT V

Normal pregnancy and Management
Physiological changes during pregnancy changes in the reproductive tract - Breast changes- Changes in Cardiac functions and Hemodynamics, Metabolic changes - Changes in respiratory system - gastro intestinal tract, urinary tract endocrine system and Musculoskeletal system.
Diagnosis of Pregnancy:- signs and symptoms - Immunological tests, ultrasonic devices, Radiological tests and its hazard in obstetrics. Methods of child birth preparations Antenatal care - Antenataladivices and Antenatal hygiene - Minor disorders and its management, Maternal assessment and intra - uterine fetal monitoring.

UNIT VI

Normal Labour and Management
First Stage - Physiology, causes of onset and management (Nursing and obstetric) Second Stage - Physiology, mechanism of labour and management. Third stage - Physiology, management. Fourth

Stage-observation and Management.

UNIT VII

Normal puerperium and Management

Physiology of puerperium-Physiology of lactation. Assessment and intervention strategies Postnatal exercises. Management of mother during puerperium. Rooming in, Bonding, Warm chain.

UNIT VIII

Normal Newborn and Management

Physiology and Normal characteristic of Newborn, Needs, exclusive breast feeding, Immunisation, Hygiene Measures, observation and care of Newborn, Behavioural assessment of Newborn, Common Neonatal problems.

UNIT IX

Family Welfare

Concept, Population dynamics, demography, Recent advancement in contraceptive technology -Role of nurses in Family Welfare programmes - Education, training and supervision of health - personnel in hospital and community.

UNIT X

Infertility

Primary and Secondary, causes, diagnostic procedures, counselling, Recent advancement in infertility Management, adoption services - Role of nurses in infertility management.

PAPER -II

UNIT I

Comprehensive care and management in Maternal Disorders complicating pregnancy, labour, puerperium and newborn. A) Abnormalities of pregnancy:

1. Conditions associated with bleeding in early pregnancy - Abortion, Ectopic pregnancy, Hydatidiform mole.
2. Hemorrhagic complications of late pregnancy. Antepartum hemorrhage - placenta praevia and Abruptio placenta.
3. Disorders caused by pregnancy- Hyperemesis Gravidarum, Hypertensive disorders - preeclampsia and eclampsia.
4. Disorders associated with pregnancy-Diabetes Mellitus, Cardiac diseases, Anaemia, Hydramnios, Urinary tract and renal conditions, Thyroid disorder.
5. Infectious diseases in pregnancy-Sexually transmitted diseases, AIDS/HIV, Hepatitis B, Urinary tract infections, TORCH, Tuberculosis etc..
6. Structural Abnormalities affecting pregnancy - Uterine Malformations and displacement, Uterine masses, Ovarian cysts, Cervical conditions.

B) Abnormal Labour:-

1. Disordered uterine action - Hypertonic dysfunction, Hypotonic dysfunction.
2. Dystocia due to soft tissue abnormalities of reproductive tract.
3. Dystocia due to pelvic contraction - contracted pelvis, Cephalo pelvic disproportion.

4. Malposition and Malpresentation - Occipito posterior, Breech, face, brow, compound, shoulder presentation and unstable lie.

5. Obstetrical Emergencies - Rupture and Inversion of uterus, Cord prolapse, Amniotic fluid embolism, obstetrical shock.

6. Complications of third stage of Labour-Retained and Adherent placenta, Hemorrhage.

(C) Abnormal puerperium:

Postpartum hemorrhage, puerperal sepsis and pyrescica, urinary tract infection, Breast infection, Venous thrombosis, Sub involution of uterus, Incontinence of urine, Mental health problems (Post partal blue, psychosis).

D) Abnormal Newborn:

Low birth weight, small for gestatrenal age, large for gestational age, prematurity, post maturity, infant of diabetic mother, Asphyxia Neonatorum, Respiratory distress Syndrome, Hyaline membrane disease, neonotal jaundice, Hemolytic disease, anaemia, infections, Birth injuries-Congenital anomalies (Diaphragmatic hernia, Tracheoesophageal fistula Atresia-Exemphalous - Anorectal malformations-Spinabifida, Hydrocephalus) Rh incompatibility, Neonatal seizures, Common metabolic problems. congenital syphilis, Ophthalmias neonatorum, Newborn with HIV positive.

UNIT II

Operative Obstetrics and other procedures:-

Forceps, vacuum extraction, caesarean section, Episiotomy, induction of labour -Medical and surgical induction, Version, Embryotomy, symphysiotomy and cleidotomy, Evisceration.

UNIT III

Drugs in obstetrics:

Analgesics and Anesthetics in obstetrics oxytocics, Other drugs - Uterine muscle relaxant, methergin etc., Effect of maternal drugs on the new born. Drugs used in Newborn. Nurse's responsibilities is drug administration.

UNIT IV

Administration and Management of maternity and Neonatal Unit:

Formulating philosophy of unit Establishing objectives Design and layout, Staffing, Setting Standards, Equipment and supplies, budget, Records and Reports.

UNIT V

Education, Training and Research in Maternity:

Staff Development program (Orientation Inservice education) Clinical teaching program Identify problem for research Participate/ conduct research in obstetrical nursing Implementation of research findings.