**Placement- THIRD YEAR Time- 140 hours**

Midwifery- 120 hours Gynecological Nursing- 20 hours

## MIDwIFERY

**Course Description:-**

This course is designed to help students acquire knowledge and gain skills to meet the needs of women during pregnancy, labor and puerperium and care for the newborn.

## General Objective:-

Upon completion of this course, the students shall able to:

1. Describe the health needs of women in pregnancy, labour and puerperium.
2. Identify deviation(s) from normal pregnancy, labour and puerperium and take appropriate action.
3. Demonstrate skills in providing antepartum, intrapartum and postpartum care to the mother as well as care to the new born as per the SBA guidelines of Government of India.

## Total Hours:120

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| **Unit No.** | **Learning**  **objectives** | **Contents** | **Hr** | **Teching learning Activities** | **Assessment methods** |
| I | Describe the scope and trends in midwifery | **Introduction:**   1. Definition of midwifery and obstetrical   nursing   1. Scope of midwifery 2. Basic competencies of a midwife 3. History of midwifery 4. Trends of maternity services in India 5. Vital statistics related to maternal health in India. | 4 | Lecture cum discussions  Videos | Short answers Objective type Essay type |
| II | Describe the anatomy and physiology of female reproductive system | **Reproductive system**   1. Review of structure and function of female reproductive system 2. Female pelvis –structure, types and diameters | 5 | Lecture cum discussions  Demonstrations Charts, Specimen Models &  Objects | Short answers Objective type Essay type Viva |

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| **Unit No.** | **Learning**  **objectives** | **Contents** | **Hr** | **Teching learning Activities** | **Assessment methods** |
| III | Describe the stages of  Embryological and fetal  development | **Embryology and foetal development**   1. Oogenesis, spermatogenesis, fertilization and implantation. 2. Embryology and Fetal development 3. Placenta and membranes:    * Structure    * Functions    * Abnormalities    * Liquor amni    * Umbilical cord 4. Fetal skull:    * Structure    * Diameters    * Fontanels and sutures 5. Fetal circulation | 8 | Lecture cum discussions  Charts | Short answers Objective type  Essay type |
|  |  |  | Models & Objects | Oral presentation |
|  |  |  | Specimens |  |
| IV | Describe the physiological changes in pregnancy and the management of normal pregnancy  Demonstrate skill is caring for pregnant women | **Normal pregnancy and its management**   1. Pre-conception care 2. Genetic counseling 3. Physiological changes in pregnancy 4. Diagnosis of pregnancy    * History    * Signs & symptoms 5. Antenatal care:    * History taking    * Calculation of expected date of delivery,    * Examination and investigations    * Health Education and counselling    * Drugs and immunizations 6. Minor disorders and their management | 12 | Lecture cum discussions  Demonstration Clinical teaching  Simulation Charts & Videos  SBA module of government of India, handbook for staff nurses (Government of India) | Short answers Objective type Essay type  Assessment of skill using checklist |
| V | Describe the various stages of labour and the role of the midwife in caring for a  woman in labour Demonstrate skill in conducting the  normal delivery | **Normal labour and its management**   1. Definition and stages 2. Causes and signs of onset of labour 3. True and false labour 4. First stage of labour:    * Physiology    * Monitoring using partograph and its interpretation    * Care of mother : physical and psychological    * Pain management    * Setting up of the labour room including newborn corner | 18 | Lecture cum discussions  Demonstrations Case studies Simulation Videos | Short answers Objective type Essay type  Assessment of skill using checklist |
|  |  |  | Exercises SBA module of government of India, handbook for staff nurses (Government of India) |  |

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| **Unit No.** | **Learning**  **objectives** | **Contents** | **Hr** | **Teching learning Activities** | **Assessment methods** |
|  |  | 1. Second stage:    * Physiology and mechanism    * Monitoring    * Conduction of normal delivery    * Episiotomy    * Essential newborn care 2. Third stage:    * Physiology and signs    * Active management of third stage    * Examination of the placenta    * Episiotomy suturing 3. Fourth stage:    * Physiology    * Care of the mother and baby    * Postpartum family planing |  |  |  |
| VI | Describe the management of normal newborn | **Management of newborn**   1. Assessment 2. Physiological adaptation 3. Apgar scoring 4. Examination for defects 5. Breast feeding- BFHI 6. Care of newborn -Skin, eyes, buttocksetc 7. Bonding and rooming in 8. Minor disorders of new born:    * Birth marks, rashes, skin    * Infections, sore buttocks,    * Infection of eyes. | 14 | Lecture cum discussion | Short answers  Objective type |
|  |  |  | Demonstrations, |  |
|  | Development of skill in caring for the normal newborn |  | Clinical teaching Chart | Essay type  Assessment of skill using checklist |
|  |  |  | Videos |  |
|  |  |  | SBA module, ENBC, NSSK,  PPIUCD module, handbook for staff nurses of government of India |  |
| VII | Describe normal pureperium  and the role of midwife in the caring for woman in puerperium | **Management of normal puerperium**   1. Definition and objectives of care 2. Physiological changes 3. Postnatal counselling 4. Lactation and feeding 5. Care during puerperium – breast and perineal care, postnatal exercise, postnatal examination, follow up, family welfare 6. Minor ailments and management. 7. Family planning | 10 | Lecture cum discussion  Demonstration Simulation Role play | Short answers Objective type Essay type  Assessment of skill using checklist |
|  |  |  | SBA module, PPIUCD module, handbook for staff nurses of government of India |  |

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| **Unit No.** | **Learning**  **objectives** | **Contents** | **Hr** | **Teching learning Activities** | **Assessment methods** |
| VIII | Describe the complications of pregnancy Demonstrate skills in providing care for women with complicated pregnancy | **Management of complications during pregnancy**   1. Bleeding in pregnancy    * Early and late    * Ectopic pregnancy    * Abortion    * Antepartum hemorrhage    * Vesicular mole 2. Hyperemesis gravidarum 3. Gestational diabetes mellitus 4. Pregnancy inducedhypertension    * Pre eclampsia    * Eclampsia 5. Hydromnios – poly and oligo 6. Pelvic inflammatory diseases 7. Intra uterine growth retardation 8. Post maturity 9. Intra uterine death   **High risk pregnancy:**   * + Monitoring- NST, USG   + Anemia   + Jaundice   + Viral   + Urinary tract infections   + Hearts diseases   + Diabetes   + AIDS and STD’s   + Osteomalacia,   + Teenage pregnancy   + Elderly Primigravida   + Multipara   + Multiple pregnancy | 12 | Lecture cum discussions  Case presentation Clinical teaching Videos | Short answers Essay type Objective type  Assessment of skill using checklist |
|  |  |  | Simulation |  |
|  |  |  | Case studies and exercises SBA module |  |
| IX | Describe the management high risk labour Demonstrate skills in early detection  and prompt management of  high risk labour | **Management of high risk labour**   1. Malposition, malpresentations 2. Contracted pelvis 3. Abnormal uterine actions 4. Cervical Dystocia 5. Premature rupture of membranes, precipitate and prolonged labour, induction of labour obstructed labour, 6. Obstetrics Emergencies-Cord prolapse, cord presentation, amniotic fluid embolism, obstetric shock,rupture of uterus, shoulder dystocia, vasa previa. | 10 | Lecture cum discussion  Demonstration Bed-side clinic Videos & Charts | Short answers Objective type Essay type  Assessment of skill using checklist |
|  |  |  | Clinical teaching |  |
|  |  |  | IMPAC module of WHO |  |
|  |  |  | MCPC module of Government of India |  |

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| **Unit No.** | **Learning**  **objectives** | **Contents** | **Hr** | **Teching learning Activities** | **Assessment methods** |
|  |  | 1. Complications of third stage    * PostpartumHemorrhage    * Atonic uterus    * Injuries to the birth canal    * Retained placenta and membranes    * Inversion of uterus |  |  |  |
| X | Describe the puerperal complications Demonstrate skill in the management of complications of puerperium | **Management of complications of puerperium**   * Puerperal pyrexia * Puerperal Sepsis * Thrombophlebitis and Embolism * Breast engorgement, Mastitis, Breast abscess * Puerperal psychosis | 4 | Lecturer cum discussion  Demonstration Clinical teaching  MCPC module of Government of India | Short answers Objective type Essay type |
| XI | Describe the management of high risk and sick newborn Demonstrate skills in caring for high risk and sick newborns | **High risk and sick newborn**   1. Assessment 2. Nursing care 3. Management of newborn with:    * Hyperbilirubinaemia    * Neonatal hypoglycemia    * Hypothermia    * Neonatal Convulsions    * Rh incompatability    * Small for dates    * Low birth weight    * Preterm    * Asphyxia,RDS    * Sepsis    * Birth injuries Cephal hematoma Caput succedaneum Facial &Erb’s palsy Torticollis Hemorrhage    * Congenital anomalies 4. Newborn of HIV positive mother, diabetic mother 5. Levels of care in NICU | 10 | Lecturer cum discussion | Short answers |
|  |  |  | Objective type |
|  |  | Demonstration |  |
|  |  |  | Essay type |
|  |  | Clinical teaching |  |
|  |  | IMNCI module | Assessment of skill using checklist |
|  |  | SBA module |  |
|  |  | NSSK module |  |

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| **Unit No.** | **Learning**  **objectives** | **Contents** | **Hr** | **Teching learning Activities** | **Assessment methods** |
| XII | Describe the obstetric  operations and midwife role in assisting with each one | **Obstetric operations**   1. Definition, indication and care of   women undergoing   * + Induction of labour   + Manual removal of placenta   + Version   + Forceps delivery   + Vacuum extraction   + Caesarean Section   + Sterilization   + Destructive surgeries   + Amnio infusion   + Manual Vaccum Aspiration, Dilatation and Evacuation, Dilatation and Curettage  1. Post abortion care. | 10 | Lecture cum discussion  Clinical teaching Videos  Post abortion care module of GoI | Short answers Objective type Essay type  Assessment of skill using checklist |
| XIII | Describe the midwife’s role in the administration of drugs for women during pregnancy.  labour and post parturn period | **Drugs used in obstetrics**   1. Indication, dose, action, contraindication, side effects and responsibilities in the administration of :    * Oxytocin    * Uterotonics    * Tocolytics    * Antihypertensives    * Anticonvulsants    * Anesthesia and analgesia 2. Drugs used for newborn 3. Teratogens – effects of drugs on mother and baby. | 4 | Lecture cum discussion  Drug presentation | Short answers Objective type Essay type |
| XIV | Describe the ethical & legal issues related to midwifery | **Ethical and legal aspects related to**  **midwifery**   1. Maternal and newborn death review 2. Mother and child tracking system | 2 | Lecture cum discussion  Presentation | Short answers Objective type |

## GYNECOLOGIAL NURSING

**Course objective**

The students shall be able to identify different gynecological disorders and diseases and gain skills in providing nursing care to women suffering from them.

## General Objective:-

Upon completion of this course, the students shall able to:

* 1. List different gynecological problems and demonstrate skills in providing nursing care to women suffering from these disorders and diseases.

## Total Hours:20

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| **Unit No** | **Learning**  **objectives** | **Content** | **Hours** | **Teaching learning activities** | **Method of assessment** |
| I | Define the terms used in gynecology  Demonstrate the skills of gynecology history taking, conducting examination & investigation | **Introduction**   1. Definition of terms 2. History 3. Examination 4. Investigation | 2 | Lecture cum discussion  Demonstration Videos | Short answers Objective type Essay type  Return demonstration |
| II | Describe the physiology, psychology and pathology of puberty | **Puberty**   1. Definition 2. Development of sex organs in females and sexuality 3. Review of menstrual cycle 4. Premenstrual syndrome 5. Disorders of menstruation, dysmenorrhoea, cryptomenorrhoea, dysfunctional uterine bleeding | 3 | Lecture cum discussion  Clinical teaching | Short answers Objective type  Essay type |
|  |  |  | Videos |  |
|  |  |  | Charts |  |
| III | Describe the management of couples with fertility related problems. | **Fertility and infertility**   1. Definition 2. Causes-both in male and female 3. Investigation 4. Management 5. Artificial reproductive techniques | 2 | Lecture cum discussion  Clinical teaching, Videos | Short answers Objective type Essay type |
|  |  |  |  | Role play |  |

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| **Unit No** | **Learning**  **objectives** | **Content** | **Hours** | **Teaching learning activities** | **Method of assessment** |
| IV | Demonstrate skills in the management of clients with various pelvic infections. | **Pelvic infections**   1. Vulva – vulvitis, bartholinitis 2. Vagina - Vaginitis, Trichomonas vaginitis, Moniliasis, 3. Metritis,Salpingitis, Oophritis 4. Cervical erosions 5. Pelvic Abscess 6. Chronic infection 7. Pelvic inflammatory disease 8. Pelvic tuberculosis 9. Sexually Transmitted Diseases    * Syphilis    * Gonorrhea    * Warts    * HIV 10. Syndromic case management | 4 | Lecture cum discussion  Clinical teaching Videos  Prevention of STI module of NACO | Short answers Objective type Essay type |
| V | Describe the care of women with gynaecological disorders | **Gynaecological disorders**   1. Retroversion, retro flexion 2. Fistulas 3. Uterine displacement & prolapse (Procidentia) 4. Uterine malformations 5. Cysts and fibroids 6. Uterine polyps 7. Tumors of the reproductive tract – benign and malignant 8. Palliative care and rehabilitation | 5 | Lecture cum discussion  Case Presentation  Demonstration | Short answers Objective type Essay type |
| VI | Describe the care of the woman with breast disorders | **Breast disorders**   1. Review mastitis, breast engorgement, breast abscess 2. Tumors of the breast benign and malignant | 2 | Lecture cum discussion  Clinical teaching, Videos  Role play | Short answers Objective type Essay type |
| VII | Describe the care of women with menopause | **Menopause**   1. Definition and physiological changes 2. Signs and symptoms 3. Health education and counselling 4. Hormone replacement therapy 5. Surgical menopause | 2 | Lecture cum discussion  Case histories. | Short answers Objective type  Essay type |