

VII SEMESTER

MIDWIFERY/OBSTETRIC AND GYNECOLOGY NURSING - II **including Safe Delivery App Module**

PLACEMENT: VII SEMESTER

THEORY: 3 Credits (60 hours)

PRACTICUM: Skill Lab: 1 Credit (40 Hours) Clinical: 4 Credits (320 Hours)

DESCRIPTION: This course is designed for students to develop knowledge and competencies on the concepts and principles of obstetric and gynecology nursing. It helps them to acquire knowledge and skills in rendering respectful maternity care to high risk woman during antenatal, natal and postnatal periods in hospitals and community settings and help to develop skills in initial management and referral of high risk neonates. It would also help students to gain knowledge, attitude and skills in caring for women with gynecological disorders.

COMPETENCIES: On completion of the course, the students will be able to:

1. Describe the assessment, initial management, referral and respectful maternity care of women with high risk pregnancy.
2. Demonstrate competency in identifying deviation from normal pregnancy.
3. Describe the assessment, initial management, referral and nursing care of women with high risk labour.
4. Assist in the conduction of abnormal vaginal deliveries and caesarean section.
5. Describe the assessment, initial management, referral and nursing care of women with abnormal postnatal conditions.
6. Demonstrate competency in the initial management of complications during the postnatal period.
7. Demonstrate competency in providing care for high risk newborn.
8. Apply nursing process in caring for high risk women and their families.
9. Describe the assessment and management of women with gynecological disorders.
10. Demonstrate skills in performing and assisting in specific gynecological procedures.
11. Describe the drugs used in obstetrics and gynecology.
12. Counsel and care for couples with infertility.
13. Describe artificial reproductive technology.

COURSE OUTLINE
T – Theory, SL/L – Skill Lab, C – Clinical

Unit	Time (Hrs.)	Learning Outcomes	Content	Teaching/ Learning Activities	Assessment Methods
I	12 (T) 10 (L) 80 (C)	Describe the assessment, initial management, and referral of women with problems during pregnancy Support women with complicated pregnancy and facilitate safe and positive birthing outcome	Recognition and Management of problems during Pregnancy <ul style="list-style-type: none"> Assessment of high-risk pregnancy Problems/Complications of Pregnancy <ul style="list-style-type: none"> Hyper-emesis gravidarum, Bleeding in early pregnancy – abortion, ectopic pregnancy, vesicular mole Unintended or mistimed pregnancy Post abortion care & counseling Bleeding in late pregnancy placenta previa, abruption placenta, trauma Medical conditions complicating pregnancy – Anemia, PIH/Pre- eclampsia, Eclampsia, GDM, cardiac disease, pulmonary disease, thyrotoxicosis, STDs, HIV, Rh incompatibility Infections in pregnancy – urinary tract infection, bacterial, viral, protozoal, fungal, malaria in pregnancy Surgical conditions complicating pregnancy – appendicitis, acute abdomen COVID-19 & pregnancy and children Hydramnios Multiple pregnancy Abnormalities of placenta and cord Intra uterine growth restriction Intra uterine fetal death Gynaecological conditions complicating pregnancy Mental health issues during pregnancy Adolescent pregnancy Elderly primi, grand multiparity Management and care of conditions as per the GoI protocol Policy for the referral services Drugs used in management of high-risk pregnancies Maintenance of records and reports 	<ul style="list-style-type: none"> Lecture Discussion Demonstration Video & films Scan reports Case discussion Case presentation Drug presentation Health talk Simulation Role play Supervised Clinical practice WHO midwifery toolkit GoI guideline – screening for hypothyroidism, screening for syphilis, deworming during pregnancy, diagnosis and management of GDM 	<ul style="list-style-type: none"> Essay Short answer Objective type Assessment of skills with check list OSCE

Unit	Time (Hrs.)	Learning Outcomes	Content	Teaching/ Learning Activities	Assessment Methods
II	20 (T) 15 (L) 80 (C)	Identify, provide initial management and refer women with problems during labour within the scope of midwifery practice.	Recognition and management of abnormal labour <ul style="list-style-type: none"> • Preterm labour – Prevention and management of preterm labour; (Use of antenatal corticosteroids in preterm labour) • Premature rupture of membranes • Malposition's and abnormal presentations (posterior position, breech, brow, face, shoulder) • Contracted Pelvis, Cephalo Pelvic Disproportion (CPD) • Disorders of uterine action – Prolonged labour, Precipitate labour, Dysfunctional labour • Complications of third stage – Retained placenta, Injuries to birth canal, Postpartum hemorrhage (bimanual compression of the uterus, aortic compression, uterine balloon tamponade) • Obstetric emergencies – Foetal distress, Ruptured uterus, Cord prolapse, Shoulder dystocia, Uterine inversion, Vasa previa, Obstetrical shock, Amniotic fluid embolism • Episiotomy and suturing • Obstetric procedures – Forceps delivery, Vacuum delivery, Version • Induction of labour – Medical & surgical • Caesarean section – indications and preparation • Nursing management of women undergoing • Obstetric operations and procedures • Drugs used in management of abnormal labour • Anesthesia and analgesia in obstetrics 	<ul style="list-style-type: none"> • Lecture • Discussion • Demonstration • Case discussion/ presentation • Simulation • Role play • Drug presentation • Supervised clinical practice • WHO midwifery toolkit • GoI guidelines – use of uterotonics during labour, antenatal corticosteroids • GoI guidance note on prevention and management of PPH 	<ul style="list-style-type: none"> • Essay • Short answer • Objective type • Assessment of skills with check list • OSCE
III	9 (T) 5 (L) 40 (C)	Describe the assessment, initial management, referral and nursing care of women with abnormal postnatal conditions.	Recognition and Management of postnatal problems <ul style="list-style-type: none"> • Physical examination, identification of deviation from normal • Puerperal complications and its management <ul style="list-style-type: none"> ○ Puerperal pyrexia ○ Puerperal sepsis 	<ul style="list-style-type: none"> • Lecture • Demonstration • Case discussion/ presentation • Drug presentation • Supervised clinical practice 	<ul style="list-style-type: none"> • Quiz • Simulation • Short answer • OSCE

Unit	Time (Hrs.)	Learning Outcomes	Content	Teaching/ Learning Activities	Assessment Methods
			<ul style="list-style-type: none"> ○ Urinary complications ○ Secondary Postpartum hemorrhage ○ Vulval hematoma ○ Breast engorgement including mastitis/breast abscess, feeding problem ○ Thrombophlebitis ○ DVT ○ Uterine sub involution ○ Vesico vaginal fistula (VVF), Recto vaginal fistula (RVF) ○ Postpartum depression/psychosis ● Drugs used in abnormal puerperium ● Policy about referral 		
IV	7 (T) 5 (L) 40 (C)	Describe high risk neonates and their nursing management	Assessment and management of High- risk newborn (Review) <ul style="list-style-type: none"> ● Models of newborn care in India – NBCC; SNCUs ● Screening of high-risk newborn ● Protocols, levels of neonatal care, infection control ● Prematurity, Post-maturity ● Low birth weight ● Kangaroo Mother Care ● Birth asphyxia/Hypoxic encephalopathy ● Neonatal sepsis ● Hypothermia ● Respiratory distress ● Jaundice ● Neonatal infections ● High fever ● Convulsions ● Neonatal tetanus ● Congenital anomalies ● Baby of HIV positive mothers ● Baby of Rh negative mothers ● Birth injuries ● SIDS (Sudden Infant Death Syndrome) prevention, Compassionate care ● Calculation of fluid requirements, EBM/formula feeds/tube feeding ● Home based newborn care program -community facility integration in newborn care ● Decision making about management and referral ● Bereavement counseling ● Drugs used for high risk newborns ● Maintenance of records and reports 	<ul style="list-style-type: none"> ● Lecture ● Discussion ● Demonstration ● Simulation ● Case discussion/ presentation ● Drug presentation ● Supervised Clinical practice ● Integrated Management of Neonatal Childhood Illnesses (IMNCI) 	<ul style="list-style-type: none"> ● Short answer ● Objective type ● Assessment of skills with check list ● OSCE

Unit	Time (Hrs.)	Learning Outcomes	Content	Teaching/ Learning Activities	Assessment Methods
V	12 (T) 5 (L) 80 (C)	Describe the assessment and management of women with gynecological disorders.	Assessment and management of women with gynecological disorders <ul style="list-style-type: none"> • Gynecological assessment – History and Physical assessment • Breast Self-Examination • Congenital abnormalities of female reproductive system • Etiology, pathophysiology, clinical manifestations, diagnosis, treatment modalities and management of women with <ul style="list-style-type: none"> ○ Menstrual abnormalities ○ Abnormal uterine bleed ○ Pelvic inflammatory disease ○ Infections of the reproductive tract ○ Uterine displacement ○ Endometriosis ○ Uterine and cervical fibroids and polyps ○ Tumors – uterine, cervical, ovarian, vaginal, vulval ○ Cysts – ovarian, vulval ○ Cystocele, urethrocele, rectocele ○ Genitor-urinary fistulas ○ Breast disorders – infections, deformities, cysts, tumors ○ HPV vaccination ○ Disorders of Puberty and menopause ○ Hormonal replacement therapy • Assessment and management of couples with infertility <ul style="list-style-type: none"> ○ Infertility – definition, causes ○ Counseling the infertile couple ○ Investigations – male and female ○ Artificial reproductive technology ○ Surrogacy, sperm and ovum donation, cryopreservation • Adoption – counseling, procedures • Injuries and Trauma; Sexual violence • Drugs used in treatment of gynaecological disorders. 	<ul style="list-style-type: none"> • Lecture • Discussion • Demonstration • Case discussion/ presentation • Drug presentation • Videos, films • Simulated practice • Supervised Clinical practice • Visit to infertility clinic and ART centers 	<ul style="list-style-type: none"> • Essay • Short answer • Objective type • Assessment of skills with check list • OSCE

Note: Complete safe delivery app during VII Semester.

PRACTICUM

SKILL LAB & CLINICAL ARE GIVEN UNDER OBG NURSING – I

MIDWIFERY/OBSTETRICS AND GYNECOLOGY (OBG) NURSING - II

PRACTICUM

SKILL LAB & CLINICAL: Skill Lab – 1 Credit (40 hours); Clinical – 4 Credits (320 hours)

PRACTICE COMPETENCIES: On completion of the course, the students will be able to:

1. Identify, stabilize and refer antenatal women with complications
2. Provide care to antenatal women with complications
3. Provide post abortion care& counselling
4. Assist in the conduction of abnormal vaginal deliveries and caesarean section.
5. Demonstrate skills in resuscitating the newborn
6. Assist and manage complications during labour
7. Identify postnatal and neonatal complications, stabilize and refer them
8. Provide care for high risk antenatal, intranatal and postnatal women and their families using nursing process approach
9. Provide care for high risk newborn
10. Assist in advanced clinical procedures in midwifery and obstetric nursing
11. Provide care for women during their non childbearing period.
12. Assess and care for women with gynecological disorders
13. Demonstrate skills in performing and assisting in specific gynecological procedures
14. Counsel and care for couples with infertility

SKILL LAB: Procedures/Skills for demonstration and return demonstration:

1. Antenatal assessment and identification of complications
2. Post abortion care & counseling
3. Counseling antenatal women for complication readiness
4. Mechanism of labour – abnormal
5. Assisting in the conduction of abnormal vaginal deliveries and caesarean section.
6. Management of complications during pregnancy/labour/post partum (case studies/simulated scenarios)
7. Administration of Inj. Magnesium sulphate
8. Starting and maintaining an oxytocin drip for PPH
9. Management of PPH – Bimanual compression of uterus
10. Management of PPH – Balloon tamponade
11. Instruments used in obstetrics and gynecology
12. Visual inspection of cervix with acetic acid
13. Cervical biopsy
14. Breast examination
15. Counseling of infertile couples

CLINICAL POSTINGS (8 weeks × 40 hours per week = 320 hours)

Clinical Areas	Duration (Weeks)	Learning Outcomes	Procedural Competencies/ Clinical Skills	Clinical Requirements	Assessment Methods
Antenatal OPD/ infertility clinics/ Reproductive medicine and antenatal ward	2 weeks	<p>Perform/assist in selected advanced antenatal diagnostic procedures</p> <p>Provide antenatal care for women with complications of pregnancy</p> <p>Counsel antenatal mothers</p> <p>Provide post abortion care and postnatal counselling</p> <p>Provide counselling and support to infertile couples</p>	<ul style="list-style-type: none"> • Kick chart, DFMC • Assist in NST/CTG/USG • Assisting in advanced diagnostic procedures • Care of antenatal women with complications in pregnancy • Antenatal counselling • Preparation for childbirth, Birth preparedness and complication readiness • Post abortion care • Post abortion counselling • Counselling infertile couples 	<ul style="list-style-type: none"> • Antenatal palpation • Health talk • Case study 	<ul style="list-style-type: none"> • Simulation • Case presentation • OSCE
Labour room	2 weeks	<p>Conduction of normal childbirth</p> <p>Conduct/assist in abnormal deliveries</p> <p>Monitor labour using partograph</p> <p>Identify and manage complications during labour</p>	<ul style="list-style-type: none"> • Assessment of woman in labour • Partograph • Pervaginal examination if indicated • Obstetric examination • Care during first stage of labour • Pain management techniques • Upright and alternative positions in labour • Preparation for labour – articles, physical, psychological • Conduction of normal childbirth • Essential newborn care • Newborn resuscitation • Active management of third stage of labour • Monitoring and care during fourth stage of labour • Identification, stabilization, referral and assisting in management of prolonged labour, cervical dystocia, CPD, contracted pelvis • Assist in the management of 	<ul style="list-style-type: none"> • Partograph recording • Pain management during labour • Conduction of normal childbirth • Assisting in abnormal deliveries • Managing complication during labour • Case study • Case presentation 	<ul style="list-style-type: none"> • Assignment • Case study • Case presentation • Simulation • OSCE

Clinical Areas	Duration (Weeks)	Learning Outcomes	Procedural Competencies/ Clinical Skills	Clinical Requirements	Assessment Methods
			abnormal deliveries – posterior position, breech deliveries, twin deliveries, vacuum extraction, forceps delivery, shoulder dystocia <ul style="list-style-type: none"> • Assist in cervical encircage procedures, D&C, D&E • Identify, assist and manage trauma to the birth canal, retained placenta, post partum hemorrhage, uterine atony • Management of obstetric shock 		
Postnatal Ward	1 week	Perform postnatal assessment and identify postnatal complications Provide postnatal care Provide family welfare services	<ul style="list-style-type: none"> • Postnatal history collection and physical examination • Identify postnatal complications • Care of postnatal mothers – abnormal deliveries, caesarean section • Care of normal newborn • Lactation management • Postnatal counselling • Health teaching on postnatal and newborn care • Family welfare counselling 	<ul style="list-style-type: none"> • Health talk • Postnatal assessment • Newborn assessment • Case studies • Case presentation • PPIUCD insertion and removal 	<ul style="list-style-type: none"> • Role play • Assignment • Case study • Case presentation • Simulation • Vignettes • OSCE
Neonatal Intensive Care Unit	1 week	Perform assessment of newborn and identify complications/congenital anomalies Perform neonatal resuscitation Care of high risk newborn Provide care for newborns in ventilator, incubator etc	<ul style="list-style-type: none"> • Neonatal assessment – identification of complication, congenital anomalies. • Observation of newborn • Neonatal resuscitation • Phototherapy and management of jaundice in newborn • Assist in Exchange transfusion • Neonatal feeding – spoon and katori, paladai, NG tube • Care of baby in incubator, ventilator, warmer • Infection control in the nursery • Neonatal medications • Starting IV line for newborn, drug calculation 	<ul style="list-style-type: none"> • Case study • Case presentation • Assignments • Simulated practice 	<ul style="list-style-type: none"> • Case presentation • Care study • Care plan • Simulation, Vignettes • OSCE

Clinical Areas	Duration (Weeks)	Learning Outcomes	Procedural Competencies/ Clinical Skills	Clinical Requirements	Assessment Methods
Obstetric/ Gynae operation theatre & Gynecology ward	2weeks	Assist in gynecological and obstetric surgeries Care for women with gynecological disorders	<ul style="list-style-type: none"> • Observe/Assist in caesarean section • Management of retained placenta • Gynecological surgeries • Hysterectomy • Uterine rupture • Care of women with gynecological conditions • Health education 	<ul style="list-style-type: none"> • Assisting in obstetric and gynecological surgery • Tray set-up for caesarean section • Care plan 	<ul style="list-style-type: none"> • Assignment • Tray set-up for obstetric and gynecological surgeries • Case presentation • Simulation • Vignettes

Note: Completion of safe delivery App module during VII Semester