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 helpto 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 Assessment of high-risk pregnancy 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/Preeclampsia, 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 Gol protocol Policy for the referral services	 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 	 Essay Short answer Objective type Assessment of skills with check list OSCE

Unit	Time (Hrs.)	Learning Outcomes	Content	Teaching/ Learning Activities	Assessment Methods
			Drugs used in management of high-risk pregnancies		
			Maintenance of records and reports		
п	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 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	 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 	 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 • Physical examination, identification of deviation from normal • Puerperal complications and its management • Puerperal pyrexia • Puerperal sepsis	 Lecture Demonstration Case discussion/ presentation Drug presentation Supervised clinical practice 	 Quiz Simulation Short answer OSCE

Unit	Time (Hrs.)	Learning Outcomes	Content	Teaching/ Learning Activities	Assessment Methods
			 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 Highrisk newborn (Review) 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 -	Lecture Discussion Demonstration Simulation Case discussion/ presentation Drug presentation Supervised Clinical practice Integrated Management of Neonatal Childhood Illnesses (IMNCI)	Short answer Objective type Assessment of skills with check list OSCE

Unit	Time (Hrs.)	Learning Outcomes	Content	Teaching/ Learning Activities	Assessment Methods
			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		
V	12 (T)	Describe the assessment and	with gynecological disorders	• Lecture	• Essay
	5 (L) 80 (C)	management of women with gynecological disorders.	Gynecological assessment – History and	 Discussion Demonstration	Short answerObjective type
			*	Case discussion/	• Assessment of
			Congenital abnormalities of female	presentation	skills with check list
			reproductive system	Drug presentation	• OSCE
			Lifology, pathophysiology, eninear	• Videos, films	OBCE
			modalities and management of women	Simulated practice	
			with	 Supervised Clinical practice 	
			Menstrual abnormalities	Visit to infertility	
			o Abnormal uterine bleed	clinic and ART	
			o Pelvic inflammatory disease	centers	
			o 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		
			o Genitor-urinary fistulas		
			 Breast disorders – infections, deformities, cysts, tumors 		
			o HPV vaccination		
			o Disorders of Puberty and menopause		
			 Hormonal replacement therapy 		
			Assessment and management of couples with infertility		
			○ Infertility – definition, causes		
			o Counseling the infertile couple		
			o Investigations – male and female		
			Artificial reproductive technology		
			 Surrogacy, sperm and ovum donation, cryopreservation 		

Unit	Time (Hrs.)	Learning Outcomes	Content	Teaching/ Learning Activities	Assessment Methods
			 Adoption – counseling, procedures Injuries and Trauma; Sexual violence Drugs used in treatment of gynaecological disorders 		

Note: Complete safe delivery app during VII Semester.

PRACTICUM

SKILL LAB & CLINICAL ARE GIVEN UNDER OBG NURSING – I