

COURSE TITLE	MIDWIFERY & GYNAECOLOGICAL NURSING
COURSE CODE	20GN0301
COURSE CREDITS	10

Objective:

- 1 Describe the scope and trends in midwifery, describe the anatomy and physiology of female reproductive system & describe the stages of Embryological and fetal development
- 2 Describe the physiological changes in pregnancy and the management of normal pregnancy, demonstrate skill in caring for pregnant women & describe the management of normal newborn Development of skill in caring for the normal newborn
- 3 Describe normal puerperium and the role of midwife in the caring for woman in puerperium, describe the complications of pregnancy & demonstrate skills in providing care for women with complicated pregnancy & Describe the management high risk labour Demonstrate skills in early detection and prompt management of high risk labour & labor and post partum period & describe the ethical & legal issues related to midwifery
- 4 Describe the puerperal complications Demonstrate skill in the management of complications of puerperium, describe the management of high risk and sick newborn & demonstrate skills in caring for high risk and sick newborns & Describe the obstetric operations and midwife role in assisting with each one, describe the midwife's role in the administration of drugs for women during pregnancy.
- 5 Define the terms used in gynecology Demonstrate the skills of gynecology history taking, conducting examination & investigation, Describe the physiology, psychology and pathology of puberty, Describe the management of couples with fertility related problems & Demonstrate skills in the management of clients with various pelvic infections.
- 6 Demonstrate skills in the management of clients with various pelvic infections, Describe the care of women with gynaecological disorders, Describe the care of the woman with breast disorders Describe the care of women with menopause

Course Outcomes: After completion of this course, student will be able to:

- 1 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

Pre-requisite of course: 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.

Teaching and Examination Scheme

Theory Hours	Tutorial Hours	Practical Hours	ESE	IA	CSE	Viva	Term Work
3	14	0	75	15	10	50	50

Contents : Unit	Topics	Contact Hours
1	Introduction to midwifery & gynecological nursing Definition of midwifery and obstetrical nursing & Scope of midwifery , Basic competencies of a midwife & History of midwifery , Trends of maternity services in India, Vital statistics related to maternal health in India.	4
2	Reproductive system Review of structure and function of female reproductive system , Female pelvis –structure, types and diameters	5
3	Embryology and foetal development Oogenesis, spermatogenesis, fertilization and implantation. , Embryology and Fetal development , Placenta and membranes: - Structure - Functions - Abnormalities - Liquor amni - Umbilical cord, Fetal skull:- Structure - Diameters - Fontanel and sutures, Fetal circulation	8
4	Normal pregnancy and its management Pre-conception care , Genetic counseling , Physiological changes in pregnancy, Diagnosis of pregnancy - History- Signs & symptoms , Antenatal care: - History taking - Calculation of expected date of delivery,- Examination and investigations - Health Education and counselling - Drugs and immunizations , Minor disorders and their management	12
5	Normal labour and its management Definition and stages , Causes and signs of onset of labour , True and false labour, 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 , Second stage: - Physiology and mechanism - Monitoring - Conduction of normal delivery - Episiotomy - Essential newborn care, Third stage: - Physiology and signs - Active management of third stage - Examination of the placenta - Episiotomy suturing , Fourth stage: - Physiology- Care of the mother and baby - Postpartum family planing	18
6	Management of newborn Assessment , Physiological adaptation , Apgar scoring , Examination for defects , Breast feeding- BFHI , Care of newborn - Skin, eyes, buttocks etc , Bonding and rooming in , Minor disorders of new born: - Birth marks, rashes, skin - Infections, sore buttocks, - Infection of eye	14
7	Management of normal puerperium Definition and objectives of care , Physiological changes , Postnatal counselling, Lactation and feeding , Care during puerperium – breast and perineal care, postnatal exercise, postnatal examination, follow up, family welfare, Minor ailments and management., Family planning	10

Contents : Unit	Topics	Contact Hours
8	Management of complications during pregnancy Bleeding in pregnancy- Early and late - Ectopic pregnancy - Abortion - Antepartum hemorrhage - Vesicular mole, Hyperemesis gravidarum , Gestational diabetes mellitus, Pregnancy inducedhypertension - Pre eclampsia - Eclampsia, Hydromnios – poly and oligo , Pelvic inflammatory diseases , Intra uterine growth retardation , Post maturity, 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
9	Management of high risk labour Malposition, malpresentations , Contracted pelvis , Abnormal uterine actions , Cervical Dystocia, Premature rupture of membranes, precipitate and prolonged labour, induction of labour obstructed labour, , Obstetrics Emergencies-Cord prolapse, cord presentation, amniotic fluid embolism, obstetric shock,rupture of uterus, shoulder dystocia, vasa previa., Complications of third stage - PostpartumHemorrhage - Atonic uterus - Injuries to the birth canal - Retained placenta and membranes - Inversion of uterus	10
10	Management of complications of puerperium Puerperal pyrexia , Puerperal Sepsis, Thrombophlebitis and Embolism, Breast engorgement, Mastitis, Breast abscess , Puerperal psychosis	4
11	High risk and sick newborn Assessment , Nursing care, Management of newborn with: - Hyperbilirubinaemia - Neonatal hypoglycemia- Hypothermia - Neonatal Convulsions- Rh incompatibility- Small for dates - Low birth weight - Preterm - Asphyxia,RDS - Sepsis - Birth injuries Cephal hematoma Caput succedaneum Facial & Erb's palsy Torticollis Hemorrhage - Congenital anomalies , Newborn of HIV positive mother, diabetic mother , Levels of care in NICU	10
12	Obstetric operations 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 , Post abortion care.	10
13	Drugs used in obstetrics Indication, dose, action, contraindication, side effects and responsibilities in the administration of : - Oxytocin- Uterotonics - Tocolytics - Antihypertensives- Anticonvulsants - Anesthesia and analgesia, Drugs used for newborn , Teratogens – effects of drugs on mother and baby.	4
14	Ethical and legal aspects related to midwifery Maternal and newborn death review, Mother and child tracking system	2

Contents : Unit	Topics	Contact Hours
15	GYNECOLOGICAL NURSING: Introduction a) Definition of terms , b) History , c) Examination, d) Investigation	2
16	Puberty a) Definition , b) Development of sex organs in females and sexuality , c) Review of menstrual cycle , d) Premenstrual syndrome , e) Disorders of menstruation, dysmenorrhoea, cryptomenorrhoea, dysfunctional uterine bleeding	3
17	Fertility and infertility a) Definition , b) Causes-both in male and female, c) Investigation , d) Management , e) Artificial reproductive techniques	2
18	Pelvic infections a) Vulva – vulvitis, bartholinitis, b) Vagina - Vaginitis, Trichomonas vaginitis, Moniliasis,, c) Metritis,Salpingitis, Oophritis , d) Cervical erosions , e) Pelvic Abscess , f) Chronic infection , g) Pelvic inflammatory disease , h) Pelvic tuberculosis ; i) Sexually Transmitted Diseases - Syphilis - Gonorrhoea - Warts - HIV, j) Syndromic case management	4
19	Gynaecological disorders a) Retroversion, retro flexion, b) Fistulas , c) Uterine displacement & prolapse (Procidentia) , d) Uterine malformations , e) Cysts and fibroids , f) Uterine polyps , g) Tumors of the reproductive tract – benign and malignant , h) Palliative care and rehabilitation	5
20	Breast disorders a) Review mastitis, breast engorgement, breast abscess , b) Tumors of the breast benign and malignant	2
21	Menopause a) Definition and physiological changes , b) Signs and symptoms , c) Health education and counselling , d) Hormone replacement therapy, e) Surgical menopause	2
Total Hours		143

Suggested List of Experiments:

Contents : Unit	Topics	Contact Hours
1	CLINICAL POSTING AT VARIOUS HOSPITAL FOR OBG Diagnose pregnancy using pregnancy detection kit, Antenatal history taking, Physical examination Antenatal examination, abdomen and breast, Recording weight and BP, Hemoglobin estimation, Urine testing for sugar and albumin, Immunization, Assessment of risk status, Antenatal counselling - Maintenance of antenatal records, SBA module, Assessment of woman in labour, Vaginal examinations (PV) and their interpretation, Monitoring women in labour using the partograph, Caring for women in labour - Setting up of the labour unit including the newborn corner, Conduct normal delivery including active management of third stage of labor (AMTSL), Provide essential newborn care, Immediate newborn assessment, Resuscitation of the newborn. Assessment of the risk status of the newborn, Episiotomy and suturing, Administration of uterotonic drugs, oxytocin , misoprostol, Administration of magnesium sulphate. Maintenance of labour and birth records, SBA module	560
Total Hours		560

Textbook :

- 1 Textbook of Midwifery and Gynecological Nursing for GNM Nursing Students, Sandeep Kaur, CBS, 2019
- 2 Textbook Of Midwifery & Obstetrics, Dr. Shally Magon, Sanju Sira, LOTUS, 2020

References:

- 1 Midwifery And Gynecological Nursing , Midwifery And Gynecological Nursing , Prof. (Dr.) Malti Lodhi, Prof.(Dr.) Madhusoodan , Thakur publication pvt ltd, 2021

Suggested Theory Distribution:

The suggested theory distribution as per Bloom's taxonomy is as follows. This distribution serves as guidelines for teachers and students to achieve effective teaching-learning process

Distribution of Theory for course delivery					
Remember / Knowledge	Understand	Apply	Analyze	Evaluate	Higher order Thinking / Creative
20.00	30.00	30.00	10.00	10.00	0.00

Instructional Method:

- 1 LECTURE CUM DISCUSSION AND DEMONSTRATION

Supplementary Resources:

- 1 -