**UNIT PLAN**

SUBJECT: MIDWIFERY

TOTAL HOURS= 100

GENERAL OBJECTIVES:

**Upon completion of this unit, the students will be able to:**

1. Describe the health needs of women in pregnancy, labour and puerperium

2. Identify deviation(s) from normal pregnancy and take appropriate action

3. Demonstrate skills in providing antepartum, intrapartum and postpartum care to the mother as well as care to the newborn

4. List different gynaecological problems and demonstrate skills in providing nursing care to women suffering from these disorders and diseases.

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| **Unit** | **Time** | **Competencies**  **The students are able to** | **Content** | **Hours Distribution** | **Method of teaching** | **Teaching- Learning activities** | **Teaching Aids** | **Method of evaluation** |
| I | 4 | Define midwifery and explain the scope and history of maternity service in India | Definition: Midwifery, obstetrical nursing; scope | 1 | Interactive lecture | Interactive lecture | Blackboard, chalk | Written test |
| Historical review | 1 | Discussion | Powerpoint presentation,  Discussion | LCD Projector |
| Development of maternity service in India | 2 | Group discussion | Powerpoint presentation Group discussion | LCD Projector |

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| II | 5 | Describe the structure and function of the male and female reproductive system | **REPRODUCTIVE SYSTEM**   * Review of genitor-urinary system of male and female organs | 2 | Lecture cum discussion | Structured discussion | -OHP,  transparency | Question and answers |
| * Menstrual cycle | 1 | Lecture cum discussion | Structured discussion | -Chart  -OHP | Questions |
| * Internal and external organs of reproduction | 1 | Lecture cum discussion | Structured discussion | -OHP,  transparency | Questions |
| * Female pelvis: structure, diameters and type | 1 | Lecture cum demonstration | Classroom demonstration, prepare an assessment record identifying abnormal from normal | -Models,  -OHP | Return demonstration |

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| III | 8 | Explain in detail on embryology and foetal development | **EMBRYOLOGY AND FOETAL DEVELOPMENT**   * Define the terms- Ovum, sperm, maturation, fertilization and implantation | 1 | Lecture cum discussion | Structured discussion | -Charts,  -OHP | questions |
| * Development of fertilized ovum, morula, blastocyst, embryo | 1 | Lecture cum discussion | Structured discussion | -black board,  -OHP | Questions and answers |
| * Development of placenta: structure of full term placenta, functions and abnormalities, anatomical variations | 1 | Lecture cum discussion | Structured discussion | -OHP,  Transparency | Questions |
| * Formation of foetal sac, membranes, amnion, chorion and their functions | 1 | Lecture cum discussion | Structured discussion | -black board,  -OHP | Questions |
| * Formation of liquor amni, its functions and abnormalities | 1 | Lecture cum discussion | Structured discussion | -OHP,  Transparency | Questions |
| * Development of umbilical cord: structure, functions and abnormalities | 1 | Lecture cum discussion | Structured discussion | -charts  -OHP | Questions |
| * Foetal skull: diameters, fontanelles, sutures and their importance | 1 | Lecture cum demonstration | Classroom demonstration, prepare an assessment record identifying abnormal from normal | -models,  -OHP | Return demonstration |
| * Foetal circulation | 1 | Lecture cum discussion | Structured discussion | -OHP,  Transparency | Questions |

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| IV | 10 | Discuss the nursing management of pregnant women | **NURSING MANAGEMENT OF PREGNANT WOMEN**   * Reproductive health | 1 | Lecture cum discussion | Structured discussion | -charts,  -OHP | Questions |
| * Genetic counselling | 1 | Lecture cum Demonstration | Classroom demonstration | -OHP,  -Models | Assignments |
| * Physiological changes in pregnancy | 1 | Lecture cum discussion | Structured discussion | -charts,  -OHP | Questions |
| * Diagnosis of pregnancy: history, signs and symptoms and investigations | 1 | Lecture cum discussion | Structured discussion | -black board,  -OHP | Question and answer |
| * Influence of hormones | 1 | Lecture cum discussion | Structured discussion | -OHP,  Transparency | Questions and answers |
| * Prenatal care: objectives, history taking, calculation of expected date of delivery, routine examinations | 1 | Lecture cum discussion | Structured discussion | -black board,  -charts | Questions and answers |
| * Health education: breast care, diet in pregnancy, antenatal exercises | 1 | Lecture cum discussion | Structured discussion | -charts,  -black board | Quiz |
| * Preparation for hospital/ home delivery | 1 | Lecture cum demonstration | Classroom demonstration | -charts,  -OHP | Return demonstration |
| * Immunisation | 1 | Lecture cum discussion | Structured discussion | -OHP,  Transparency | Quiz |
| * Minor disorders of pregnancy and its management | 1 | Lecture cum discussion | Structured discussion | -OHP,  transparency | Question and answers |
| * True and false labour | 1 | Lecture cum discussion | Structured discussion | -charts,  -black board | Quiz |
| A. First Stage of Labour   * Signs of onset of labour | 1 | Lecture cum demonstration | Classroom demonstration, prepare an assessment record identifying abnormal from normal | -Articles  Models | Return demonstration |
| * Physiological changes in first stage of labour | 1 | Lecture cum demonstration | Classroom demonstration, prepare an assessment record identifying abnormal from normal | -Articles  -Models | Return demonstration |

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| V | 15 | Describe on nursing management of women in Labour | **NURSING MANAGEMENT OF WOMEN IN LABOUR**   * Definition, stage and duration * Causes of onset of labour | 1 | Lecture cum discussion | Structured discussion | -charts,  -black board | Questions and answers |
| * True and false labour | 1 | Lecture cum discussion | Structured discussion | -charts,  -black board | Quiz |
| A. First Stage of Labour   * Signs of onset of labour | 1 | Lecture cum demonstration | Classroom demonstration, prepare an assessment record identifying abnormal from normal | -Articles  Models | Return demonstration |
| * Physiological changes in first stage of labour | Lecture cum demonstration | Classroom demonstration, prepare an assessment record identifying abnormal from normal | -Articles  -Models | Return demonstration |
| * Management- preparation of labour room | 1 | Demonstration | Demonstrating the preparation of labour room | -black board  -Articles | Return demonstration |
| * Preparation of women in labour : Physical and psychological | Demonstration | Demonstrating the preparation of women in labour | -Articles  -Models | Return demonstration |
| * Equipments for normal delivery | 1 | Demonstration | Demonstrating the equipments used for normal labour | -Articles  -charts | Return demonstration |
| * Care: physical, psychological, monitoring of maternal and foetal condition | Lecture cum demonstration | Classroom demonstration, prepare an assessment record identifying abnormal from normal | -black board,  -Models | Questions and return demonstration |
| * Vaginal examination: indication, articles, technique | Demonstration | Demonstrating the articles and the position for vaginal examination | -Articles,  -models | Return demonstration |
| B. Second Stage of Labour   * Signs of second stage | 1 | Demonstration | Demonstrating to identify the women in second stage of labour | -Models,  -Articles | Return demonstration |
| * Mechanism of labour | 1 | Demonstration | Demonstrating the preparation of women for labour | -Models,  -Articles | Return demonstration |
| * Monitoring of maternal and foetal condition | 1 | Demonstration | Demonstrating to monitor the condition of mother and foetus | -Models  -Articles | Return demonstration |
| * Physical and psychological care | 1 | Demonstration | Demonstrating the preparation of mother for labour | -Models  -Articles | Return demonstration |
| * Procedure for conduct of normal delivery | 1 | Demonstration | Demonstrating the procedure for conducting normal delivery | -models,  -articles | Return demonstration |
| * Prevention of perineal tear | 1 | Lecture cum discussion | Structured discussion |  | Question and answer |
| * Episiotomy, suturing and care | Demonstration | Demonstrating the preparation and care for episiotomy | -Models, Articles | Return demonstration |
| C. Third Stage of Labour   * Signs, physiological changes | 1 | Lecture cum demonstration | Classroom demonstration, prepare an assessment record identifying abnormal from normal | -Blackboard, models | Question and answer,  -return demonstration |
| * Management : immediate baby care, technique of placental expulsion, monitoring maternal condition, examination of placements and its membranes, blood loss | 1 | Demonstration | Demonstrating the management of immediate baby care | -Articles, Models | -retun demonstration |
| * Immediate postnatal care/ fourth stage of labour | 1 | Demonstration | Demonstrating the immediate postnatal care | -Articles, models | -return demonstration |
| D. Conduct of Home Delivery | 1 | Lecture cum discussion | Structured discussion | -Blackboard, chart | Question and answers |

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| VI | 8 | Elaborate in detail on nursing management of Baby at birth | **NURSING MANAGEMENT OF BABY AT BIRTH**   * Assessment | 1 | Demonstration | Demonstrating the assessment of newborn baby | -Articles, Models | Return demonstration |
| * Review of physiology of newborn | Lecture cum discussion | Structured discussion | -Articles, models | Question and answer |
| * Apgar scoring, examination for defects (head to toe examination) | Demonstration | Demonstrating the articles and procedures for head to toe assessment of newvborn | -Articles, models | Return demonstration |
| * Infant feeding, breast feeding, artificial feeding | 1 | Lecture cum demonstration | Classroom demonstration, prepare an assessment record identifying abnormal from normal | -Articles  -OHP | Question and answer |
| * Care of skin, eyes, cord, buttocks | 1 | Demonstration | Demonstrating the care of newborn | -Articles  -OHP | Return demonstration |
| * Psychology and perception of newborn | Lecture cum discussion | Structured discussion | -Blackboard  -Chart | Question and answers |
| * Minor disorders of newborn: birth marks, rashes, skin infections, sore buttocks; infections of eyes | 1 | Lecture cum discussion | Structured discussion | -Blackboard  -LCD Projector | Question and answer |
| * Jaundice of newborn | 1 | Lecture cum discussion | Structured discussion | -Blackboard  -OHP | Question and answer |
| * Major disorders: birth asphyxia, resuscitation measures, haemolytic disease (Rh factor) | 2 | Lecture cum discussion | Structured discussion | -Blackboard, -Chart | Quiz |
| * Infections and birth injuries | 1 | Lecture cum discussion | Structured discussion | -Blackboard  -OHP | Question and answer |

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| VII | 8 | Discuss on nursing management of mother during puerperium | **NURSING MANAGEMENT OF MOTHER DURING PUERPERIUM**   * Definition, objectives of care | 1 | Lecture cum discussion | Structured discussion | -Blackboard  -OHP | Question and answer |
|  | * Immediate postnatal care (head to foot examination) | Demonstration | Demonstrating the procedure for immediate postnatal care | -Articles  -Models | Return demonstration |
| * Physiological changes during puerperium | 1 | Lecture cum discussion | Structured discussion | -Blackboard  -Models | Question and answer |
| * Psychosocial aspects of care | Lecture cum discussion | Structured discussion | -Blackboard  -Charts | Question and answer |
| * Diet during puerperium | 1 | Lecture cum discussion | Structured discussion | -Blackboard  -OHP | Quiz |
| * Establishment of lactation | 1 | Lecture cum discussion | Structured discussion | -Blackboard  -OHP | Question and answer |
| * Perineal care | 1 | Demonstration | Demonstrating the procedure for perineal care | -Articles  -Models | Return demonstration |
| * Postnatal exercises | 1 | Demonstration | Demonstrating postnatal exercises | -Articles  - Models | Return demonstration |
| * Postnatal examination, follow-up, family welfare | 1 | Lecture cum demonstration | Classroom demonstration, prepare an assessment record identifying abnormal from normal | -Articles  -Models | Question and answer,  - Return demonstration |
| * Minor ailments and its management | 1 | Lecture cum discussion | Structured discussion | -Blackboard  -OHP | Question and answer |

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| VIII | 8 | Describe the complications of pregnancy and its management | **COMPLICATIONS OF PREGNANCY AND ITS MANAGEMENT**   * Bleeding in early pregnancy | 1 | Lecture cum discussion | Structured discussion | -Blackboard  -OHP | Quiz |
| * Bleeding in late pregnancy | 1 | Lecture cum discussion | Structured discussion | -Blackboard  -Chart | Question and answer |
| * Pregnancy induced hypertension, pre-eclampsia, eclampsia | 2 | Lecture cum discussion | Structured discussion | -Blackboard  -OHP | Question and answer |
| * Hydramnios, oligohydramnios | 1 | Lecture cum discussion | Structured discussion | -OHP  -Blackboard | Question and answer |
| * Hydatiform mole | 1 | Lecture cum discussion | Structured discussion | -OHP  Blackboard | Quiz |
| * Pelvic inflammatory disease | 1 | Lecture cum discussion | Structured discussion | -OHP  -Black board | Question and answer |
| * Intrauterine growth retardation, intrauterine death | 1 | Lecture cum discussion | Structured d Structured discussion | -OHP  -Blackboard |  |

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| IX | 8 | Explain in detail on high risk pregnancy and its management | **HIGH RISK PREGNANCY AND ITS MANAGEMENT**   * Concept, factors | 1 | Lecture cum discussion | Structured discussion | -Blackboard  -OHP | Written test |
| * Anaemia, Jaundice, Viral infections | 1 | Lecture cum discussion | Structured discussion | -Blackboard  -OHP |  |
| * Urinary tract infection, Heart diseases, Diabetes mellitus | 2 | Lecture cum discussion | Structured discussion | -Blackboard  -OHP |  |
| * Osteomalacia, Sexually Transmitted Diseases, AIDS | 2 | Lecture cum discussion | Structured discussion | -Blackboard  -OHP |  |
| * Teenage pregnancy, Elderly primigravida, Multipara | 2 | Lecture cum discussion | Structured discussion | -Blackboard  -Charts |  |
| * Multiple pregnancy | Lecture cum discussion | Structured discussion | -Blackboard  -OHP |  |

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| X | 8 | Elaborate on high risk labour and its management | **HIGH RISK LABOUR AND ITS MANAGEMENT**   * Malpositions, Malpresentations: occipitoposterior position, face, brow, shoulder and breech presentation | 2 | Lecture cum Demonstration | Classroom demonstration | -Articles  -Models | Written test |
| * Contracted pelvis: definition, causes, diagnosis, management and trial of labour | 1 | Lecture cum discussion | Structured discussion | -Blackboard  -Charts |  |
| * Obstructed labour, Rupture of uterus | 1 | Lecture cum discussion | Structured discussion | -Blackboard  -Charts |  |
| * Obstetrical emergencies: cord presentation, cord prolapsed, aminiotic fluid embolism, obstetric shock | 2 | Lecture cum discussion | Structured discussion | -Blackboard  -Charts |  |
| * Complications of third stage: postpartum haemorrhage, atonic uterus, retained placenta and membranes, inversion of uterus | 2 | Lecture cum discussion | Structured discussion | -Blackboard  -Charts |  |

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| XI | 6 |  | **COMPLICATIONS OF PUERPERIUM AND ITS MANAGEMENT**   * Puerperal pyrexia, Puerperal sepsis, Thrombophlebitis, Embolism, Puerperal psychosis | 2 | Lecture cum discussion | Structured discussion | -Blackboard  -OHP | Written test |
| * Mastitis, Breast abscess | 1 | Lecture cum discussion | Structured discussion | -Black board  -OHP |  |
| * Vacuum extraction | 1 | Lecture cum discussion | Structured discussion | -OHP  -Blackboard |  |
| * Caesarean section | Lecture cum Demonstration | Classroom demonstration | -Articles  -Models |  |
| * Medical termination of pregnancy | 1 | Lecture cum demonstration | Classroom demonstration, prepare an assessment record identifying abnormal from normal | -Blackboard  -Model |  |
| * Laproscopic sterilization | 1 | Lecture cum demonstration | Classroom demonstration, prepare an assessment record identifying abnormal from normal | -Blackboard  -OHP |  |
| * Embryotomy | Lecture cum demonstration | Classroom demonstration, prepare an assessment record identifying abnormal from normal | -Blackboard  -OHP |  |

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| XII | 8 | Describe the various obstetric operations | **OBSTETRIC OPERATIONS**   * Manual removal of placenta | 1 | Demonstration | Class room demonstration, prepare an assessment record identifying abnormal from normal | -Articles  -OHP | Written test |
| * Version: internal, external | 1 | Lecture cum discussion | Structured discussion | -Blackboard  -OHP |  |
| * Forceps delivery | 1 | Lecture cum demonstration | Classroom demonstration, prepare an assessment record identifying abnormal from normal | -Blackboard  -Charts |  |
| * Vacuum extraction | 1 | Lecture cum demonstration | Classroom demonstration, prepare an assessment record identifying abnormal from normal | -Blackboard  -Charts |  |
| * Caesarean section | 1 | Lecture cum demonstration | Classroom demonstration, prepare an assessment record identifying abnormal from normal | -Blackboard  -Charts |  |
| * Medical termination of pregnancy | 1 | Lecture cum demonstration | Classroom demonstration, prepare an assessment record identifying abnormal from normal | -Blackboard  -Charts |  |
| * Laproscopic sterilization | 1 | Lecture cum demonstration | Classroom demonstration, prepare an assessment record identifying abnormal from normal | -Blackboard  -Charts |  |
| * Embryotomy | 1 | Lecture cum demonstration | Classroom demonstration, prepare an assessment record identifying abnormal from normal | -Blackboard  -OHP |  |

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| XIII | 2 | Discuss on drugs used in obstetrics | **DRUGS USED IN OBSTETRICS** | 2 | Lecture cum discussion | Structured discussion | -Blackboard  -Charts | Quiz |

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| XIV | 2 | Describe on ethical and legal aspects related to midwifery and gynaecological nursing | **ETHICAL AND LEGAL ASPECTS RELATED TO MIDWIFERY AND GYNECOLOGICAL NURSING** | 2 | Lecture cum discussion | Structured discussion | -Blackboard  -OHP | MCQs |

Reference books-

1. D.C.Dutta Textbook of obstetrics, 6th Edition
2. Elizabeth Stepp Gilbert Manual of high risk pregnancy, 4th Edition
3. D.M.Fraser, M.A.Cooper Myles Text book of midwives, 14th edition
4. C.S.Dawn Textbook of gynecology, conyraceptive and demography,14th
5. S.K.Chattopodhya, M.Narayan Swami Midwifery
6. Cunnighum Leveno Bloom William’s Obstetrics, 23rd Edition
7. Konar & Dutta Bedside clinics and viva voce in obstetrics and gynecology, 1st Edition
8. Kamini Rao Textbook of midwifery & Obstetrics for nurses
9. Annamma Jacob Maternal And neonatal nursing care plans,1st Edition
10. Marie Elezabeth Midwifery for nurses, 1st Edition
11. Barbara Kintle & Patritia Gomez Basic maternal and newborn care
12. Unicef & WHO Managing Newborn problems
13. Stergard Dr Atlas of gynecologic surgery
14. ILCA Core Curriculum for Lactation Consultant Practice
15. Fahey Varney’s Midwifery: Study Question Book
16. Ament Professional Issues in Midwifery (HB)
17. Dutta D.C Text book of gynecology
18. Rees M. Gynaecology
19. Clarke M. Health for all reproductive health
20. WHO Managing newborn problems, a guide for doctors nurses & midwives
21. Littleton Maternity nursing care
22. Cochard Netter’s atlas of human embryology
23. Anderson Reproductive health women & men’s shared responsibility