

## MIDWIFERY/OBSTETRICS AND GYNECOLOGY (OBG) NURSING - I including SBA module

**PLACEMENT:** VI SEMESTER

**THEORY:** 3 Credits (60 hours)

**PRACTICUM:** Skill Lab: 1 Credit (40 hours); Clinical: 3 Credits (240 hours)

**DESCRIPTION:** This course is designed for students to develop knowledge and competencies on the concepts and principles of midwifery. It helps them to acquire knowledge and skills in rendering respectful maternity care to woman during antenatal, intranatal and postnatal periods in hospitals and community settings. It further helps to develop skills in managing normal neonates and participate in family welfare programs.

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

1. Demonstrate professional accountability for the delivery of nursing care as per INC standards/ICM competencies that are consistent with moral, altruistic, legal, ethical, regulatory and humanistic principles in midwifery practice.
2. Communicate effectively with individuals, families and professional colleagues fostering mutual respect and shared decision making to enhance health outcomes.
3. Recognize the trends and issues in midwifery and obstetrical nursing.
4. Review and describe the anatomy and physiology of human reproductive system and conception.
5. Describe and apply physiology in the management of normal pregnancy, birth and puerperium.
6. Demonstrate competency in providing respectful and evidence based maternity care for women during the antenatal, intranatal and postnatal period.
7. Uphold the fundamental human rights of individuals when providing midwifery care.
8. Promote physiologic labour and birth, and conduct normal childbirth.
9. Provide evidence based essential newborn care.
10. Apply nursing process approach in caring for women and their families.
11. Describe the methods of contraception and role of nurse/midwife in family welfare services.
12. Recognize the importance of and actively participate in family welfare programs.
13. Provide youth friendly health services and care for women affected by gender based violence.

### COURSE OUTLINE

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

| Unit | Time (Hrs) | Learning Outcomes   | Content  | Teaching/Learning Activities   | Assessment Methods  |
|------|------------|---|--|--|---|
| I    | 8 (T)      | Explain the history and current scenario of midwifery in India<br><br>Review vital health | <b>Introduction to midwifery</b> <ul style="list-style-type: none"> <li>• History of midwifery in India</li> <li>• <i>Current scenario:</i> <ul style="list-style-type: none"> <li>○ Trends of maternity care in India</li> <li>○ Midwifery in India – Transformative education for relationship based and transformative midwifery practice in India</li> </ul> </li> <li>• Vital health indicators – Maternal mortality ratio, Infant Mortality Rate,</li> </ul> | <ul style="list-style-type: none"> <li>• Discussion</li> <li>• Demonstration</li> <li>• Role play</li> <li>• Directed reading and assignment: ICM competencies</li> <li>• Scenario based learning</li> </ul> | <ul style="list-style-type: none"> <li>• Short answer</li> <li>• Objective type</li> <li>• Essay</li> <li>• Quiz</li> </ul> |

| Unit | Time (Hrs)     | Learning Outcomes   | Content   | Teaching/Learning Activities  | Assessment Methods  |
|------|----------------|---|---|---|---|
|      |                | <p>indicators</p> <p>Describe the various national health programs related to RMNCH+A</p> <p>Identify the trends and issues in midwifery</p> <p>Discuss the legal and ethical issues relevant to midwifery practice</p> | <p>Neonatal Mortality Rate, perinatal mortality rate, fertility rates</p> <ul style="list-style-type: none"> <li>○ Maternal death audit</li> <li>● National health programs related to RMNCH+A (Reproductive Maternal Newborn and Child Health + Adolescent Health)</li> </ul> <p><i>Current trends in midwifery and OBG nursing:</i></p> <ul style="list-style-type: none"> <li>○ Respectful maternity and newborn care (RMNC)</li> <li>○ Midwifery-led care units (MLCU)</li> <li>○ Women centered care, physiologic birthing and demedicalization of birth</li> <li>○ Birthing centers, water birth, lotus birth</li> <li>○ Essential competencies for midwifery practice (ICM)</li> <li>○ Universal rights of child-bearing women</li> <li>○ Sexual and reproductive health and rights</li> <li>○ Women's expectations &amp; choices about care</li> </ul> <p><i>Legal provisions in midwifery practice in India:</i></p> <ul style="list-style-type: none"> <li>● INC/MOH&amp;FW regulations</li> <li>● ICM code of ethics</li> <li>● Ethical issues in maternal and neonatal care</li> <li>● Adoption laws, MTP act, Pre-Natal Diagnostic Test (PNDT) Act, Surrogate mothers</li> <li>● Roles and responsibilities of a midwife/Nurse practitioner midwife in different settings (hospital/ community)</li> <li>● Scope of practice for midwives</li> </ul> |   |   |
| II   | 6 (T)<br>3 (L) | Review the anatomy and physiology of human reproductive system  | <p><b>Anatomy and physiology of human reproductive system and conception (Maternal, Fetal &amp; Newborn physiology)</b></p> <p><i>Review:</i></p> <ul style="list-style-type: none"> <li>● Female organs of reproduction</li> <li>● Female pelvis – bones, joints, ligaments, planes, diameters, landmarks, inclination, pelvic variations</li> <li>● Foetal skull – bones, sutures,</li> </ul>   | <ul style="list-style-type: none"> <li>● Lecture</li> <li>● Discussion</li> <li>● Self-directed learning</li> <li>● Models</li> <li>● Videos &amp; films</li> </ul> | <ul style="list-style-type: none"> <li>● Quiz</li> <li>● Short answer</li> <li>● Essay</li> </ul> |

| Unit | Time (Hrs)                 | Learning Outcomes   | Content  | Teaching/Learning Activities  | Assessment Methods  |
|------|----------------------------|---|--|---|---|
|      |                            |   | fontanelles, diameters, moulding <ul style="list-style-type: none"> <li>• Fetopelvic relationship</li> <li>• Physiology of menstrual cycle, menstrual hygiene</li> <li>• Fertilization, conception and implantation</li> <li>• Embryological development</li> <li>• Placental development and function, placental barrier</li> <li>• Fetal growth and development</li> <li>• Fetal circulation &amp; nutrition</li> </ul>  |   |   |
| III  | 12 (T)<br>10 (L)<br>40 (C) | Provide preconception care to eligible couples<br><br>Describe the physiology, assessment and management of normal pregnancy<br><br>Demonstrate knowledge, attitude and skills of midwifery practice throughout 1 <sup>st</sup> , 2 <sup>nd</sup> and 3 <sup>rd</sup> | <b>Assessment and management of normal pregnancy (ante-natal):</b><br><b>Pre-pregnancy Care</b> <ul style="list-style-type: none"> <li>• Review of sexual development (<i>Self Learning</i>)</li> <li>• Socio-cultural aspects of human sexuality (<i>Self Learning</i>)</li> <li>• Preconception care</li> <li>• Pre-conception counseling (including awareness regarding normal birth) Genetic counseling (<i>Self Learning</i>)</li> <li>• Planned parenthood</li> </ul> <b>Pregnancy assessment and antenatal care (I, II &amp; III Trimesters)</b><br><b>Normal pregnancy</b> <ul style="list-style-type: none"> <li>• Physiological changes during pregnancy</li> <li>• Assess and confirm pregnancy: Diagnosis of pregnancy – Signs, differential diagnosis and confirmatory tests</li> <li>• Review of maternal nutrition &amp; malnutrition</li> <li>• Building partnership with women following RMC protocol</li> <li>• Fathers' engagement in maternity care</li> </ul> <b>Ante-natal care:</b><br><b>1<sup>st</sup> Trimesters</b> <ul style="list-style-type: none"> <li>• Antenatal assessment: History taking, physical examination, breast examination, laboratory investigation</li> <li>• Identification and management of minor discomforts of pregnancy</li> </ul> | <ul style="list-style-type: none"> <li>• Lecture</li> <li>• Discussion</li> <li>• Demonstration</li> <li>• Self-Learning</li> <li>• Health talk</li> <li>• Role play</li> <li>• Counseling session</li> <li>• Case discussion/presentation</li> <li>• Simulation</li> <li>• Supervised clinical practice</li> <li>• Refer SBA module &amp; Safe motherhood</li> </ul> | <ul style="list-style-type: none"> <li>• Short answer</li> <li>• Objective type</li> <li>• Assessment of skills with check list</li> <li>• Case study evaluation</li> <li>• OSCE</li> </ul> |

| Unit | Time (Hrs) | Learning Outcomes | Content  | Teaching/Learning Activities  | Assessment Methods |
|------|------------|-------------------|--|---|--------------------|
|      |            | trimesters        | <ul style="list-style-type: none"> <li>• Antenatal care : as per GoI guidelines</li> <li>• Antenatal counseling (lifestyle changes, nutrition, shared decision making, risky behavior, sexual life during pregnancy, immunization etc.)</li> <li>• Danger signs during pregnancy</li> <li>• Respectful care and compassionate communication</li> <li>• Recording and reporting: as per the GoI guidelines</li> <li>• Role of Doula/ASHAs</li> </ul> <p><b>II Trimester</b></p> <ul style="list-style-type: none"> <li>• Antenatal assessment: abdominal palpation, fetal assessment, auscultate fetal heart rate – Doppler and pinnard’s stethoscope</li> <li>• Assessment of fetal well-being: DFMC, biophysical profile, Non stress test, cardio-tocography, USG, Vibro acoustic stimulation, biochemical tests.</li> <li>• Antenatal care</li> <li>• Women centered care</li> <li>• Respectful care and compassionate communication</li> <li>• Health education on IFA, calcium and vitamin D supplementation, glucose tolerance test, etc.</li> <li>• Education and management of physiological changes and discomforts of 2<sup>nd</sup> trimester</li> <li>• Rh negative and prophylactic anti D</li> <li>• Referral and collaboration, empowerment</li> <li>• Ongoing risk assessment</li> <li>• Maternal Mental Health</li> </ul> <p><b>III Trimester</b></p> <ul style="list-style-type: none"> <li>• Antenatal assessment: abdominal palpation, fetal assessment, auscultate fetal heart rate – Doppler and pinnard’s stethoscope</li> <li>• Education and management of physiological changes and discomforts of 3<sup>rd</sup> trimester</li> <li>• Third trimester tests and screening</li> <li>• Fetal engagement in late pregnancy</li> <li>• Childbirth preparation classes</li> </ul> | <ul style="list-style-type: none"> <li>booklet</li> <li>• Lab tests – performance and interpretation</li> <li>• Demonstration</li> <li>• Roleplay</li> <li>• Demonstration of antenatal assessment</li> </ul> |                    |

| Unit | Time (Hrs)                 | Learning Outcomes   | Content  | Teaching/Learning Activities  | Assessment Methods  |
|------|----------------------------|---|--|---|---|
|      |                            |   | <ul style="list-style-type: none"> <li>• Birth preparedness and complication readiness including micro birth planning</li> <li>• Danger signs of pregnancy – recognition of ruptured membranes</li> <li>• Education on alternative birthing positions – women’s preferred choices, birth companion</li> <li>• Ongoing risk assessment</li> <li>• Cultural needs</li> <li>• Women centered care</li> <li>• Respectful and compassionate communication</li> <li>• Health education on exclusive breastfeeding</li> <li>• Role of Doula/ASHA’s</li> </ul>   | <ul style="list-style-type: none"> <li>• Scenario based learning</li> <li>• Lecture</li> <li>• Simulation</li> <li>• Role play</li> <li>• Refer GoI Guidelines</li> <li>• Health talk</li> <li>• Counseling session</li> <li>• Demonstration of birthing positions</li> <li>• Workshop on alternative birthing positions</li> </ul>   |   |
| IV   | 12 (T)<br>12 (L)<br>80 (C) | <p>Apply the physiology of labour in promoting normal childbirth</p> <p>Describe the management and care during labour</p> <p>Discuss how to maintain a safe environment for labour</p> <p>Work effectively for pain management during labour</p> | <p><b>Physiology, management and care during labour</b></p> <ul style="list-style-type: none"> <li>• Normal labour and birth</li> <li>• Onset of birth/labour</li> <li>• Per vaginal examination (if necessary)</li> <li>• Stages of labour</li> <li>• Organization of labour room – Triage, preparation for birth</li> <li>• Positive birth environment</li> <li>• Respectful care and communication</li> <li>• Drugs used in labour as per GoI guidelines</li> </ul> <p><b>Fist Stage</b></p> <ul style="list-style-type: none"> <li>• Physiology of normal labour</li> <li>• Monitoring progress of labour using Partograph/labour care guide</li> <li>• Assessing and monitoring fetal well being</li> <li>• Evidence based care during 1st stage of labour</li> <li>• Pain management in labour (non-pharmacological)</li> <li>• Psychological support – Managing fear</li> <li>• Activity and ambulation during first stage of labour</li> </ul> | <ul style="list-style-type: none"> <li>• Lecture</li> <li>• Discussion</li> <li>• Demonstration</li> <li>• Bedside clinics</li> <li>• Case discussion/presentation</li> <li>• Simulated practice</li> <li>• Supervised Clinical practice – Per vaginal examination, Conduction of normal childbirth</li> <li>• Refer SBA module</li> <li>• LaQshya guidelines</li> <li>• Dakshata guidelines</li> </ul> | <ul style="list-style-type: none"> <li>• Essay type</li> <li>• Short answer</li> <li>• Objective type</li> <li>• Case study evaluation</li> <li>• Assessment of skills with check list</li> <li>• OSCE</li> </ul> |

| Unit | Time (Hrs) | Learning Outcomes  | Content  | Teaching/Learning Activities  | Assessment Methods |
|------|------------|--|--|---|--------------------|
|      |            | <p>Discuss how the midwife provides care and support for the women during birth to enhance physiological birthing and promote normal birth</p> <p>Assess and provide care of the newborn immediately following birth</p> | <ul style="list-style-type: none"> <li>• Nutrition during labour</li> <li>• Promote positive childbirth experience for women</li> <li>• Birth companion</li> <li>• Role of Doula/ASHA's</li> </ul> <p><b>Second stage</b></p> <ul style="list-style-type: none"> <li>• Physiology (Mechanism of labour)</li> <li>• Signs of imminent labour</li> <li>• Intrapartum monitoring</li> <li>• Birth position of choice</li> <li>• Vaginal examination</li> <li>• Psychological support</li> <li>• Non-directive coaching</li> <li>• Evidence based management of physiological birth/Conduction of normal childbirth</li> <li>• Essential newborn care (ENBC)</li> <li>• Immediate assessment and care of the newborn</li> <li>• Role of Doula/ASHA's</li> </ul> <p><b>Third Stage</b></p> <ul style="list-style-type: none"> <li>• Physiology – placental separation and expulsion, hemostasis</li> <li>• Physiological management of third stage of labour</li> <li>• Active management of third stage of labour (recommended)</li> <li>• Examination of placenta, membranes and vessels</li> <li>• Assess perineal, vaginal tear/ injuries and suture if required</li> <li>• Insertion of postpartum IUCD</li> <li>• Immediate perineal care</li> <li>• Initiation of breast feeding</li> <li>• Skin to skin contact</li> <li>• Newborn resuscitation</li> </ul> <p><b>Fourth Stage</b></p> <p><i>Observation, Critical Analysis and Management of mother and newborn</i></p> <ul style="list-style-type: none"> <li>• Maternal assessment, observation fundal height, uterine consistency, urine output, blood loss</li> <li>• Documentation and Record of birth</li> </ul> | <ul style="list-style-type: none"> <li>• Refer ENBC, NSSK module</li> <li>• Demonstration</li> <li>• Group work</li> <li>• Scenario based learning</li> <li>• Simulation</li> <li>• Role play</li> <li>• Demonstration</li> <li>• Videos</li> </ul> |                    |
|      |            | <p>Discuss the impact of labour and birth as a transitional event in the woman's life</p>  |  |   |                    |

| Unit | Time (Hrs)               | Learning Outcomes   | Content   | Teaching/Learning Activities  | Assessment Methods  |
|------|--------------------------|---|---|---|---|
|      |                          | Ensure initiation of breast feeding and adequate latching   | <ul style="list-style-type: none"> <li>Breastfeeding and latching</li> <li>Managing uterine cramp</li> <li>Alternative/complementary therapies</li> <li>Role of Doula/ASHA's</li> <li>Various childbirth practices</li> <li>Safe environment for mother and newborn to promote bonding</li> <li>Maintaining records and reports</li> </ul>  |   |   |
| V    | 7 (T)<br>6 (L)<br>40 (C) | Describe the physiology, management and care of normal puerperium   | <p><b>Postpartum care/Ongoing care of women</b></p> <ul style="list-style-type: none"> <li>Normal puerperium – Physiology, duration</li> <li>Post-natal assessment and care – facility and home-based care</li> <li>Perineal hygiene and care</li> <li>Bladder and bowel function</li> <li>Minor disorders of puerperium and its management</li> <li>Physiology of lactation and lactation management</li> <li>Postnatal counseling and psychological support</li> <li>Normal postnatal baby blues and recognition of post-natal depression</li> <li>Transition to parenthood</li> <li>Care for the woman up to 6 weeks after childbirth</li> <li>Cultural competence (Taboos related to postnatal diet and practices)</li> <li>Diet during lactation-review</li> <li>Post-partum family planning</li> <li>Follow-up of postnatal mothers</li> <li>Drugs used in the postnatal period</li> <li>Records and reports</li> </ul> | <ul style="list-style-type: none"> <li>Lecture</li> <li>Discussion</li> <li>Demonstration</li> <li>Health talk</li> <li>Simulated practice</li> <li>Supervised clinical practice</li> <li>Refer SBA module</li> </ul>           | <ul style="list-style-type: none"> <li>Essay type</li> <li>Short answer</li> <li>Objective type</li> <li>Assessment of skills with checklist</li> <li>OSCE</li> </ul> |
| VI   | 7 (T)<br>7 (L)<br>40 (C) | <p>Discuss the need for and provision of compassionate, family centered midwifery care of the newborn</p> <p>Describe the assessment and care of normal neonate</p> | <p><b>Assessment and ongoing care of normal neonates</b></p> <ul style="list-style-type: none"> <li>Family centered care</li> <li>Respectful newborn care and communication</li> <li>Normal Neonate – Physiological adaptation</li> <li>Newborn assessment – Screening for congenital anomalies</li> <li>Care of newborn up to 6 weeks after</li> </ul>   | <ul style="list-style-type: none"> <li>Lecture</li> <li>Discussion</li> <li>Demonstration</li> <li>Simulated practice session</li> <li>Supervised clinical practice</li> <li>Refer safe deliver app module – newborn</li> </ul> | <ul style="list-style-type: none"> <li>Essay type</li> <li>Short answer</li> <li>Objective type</li> <li>Assessment of skills with checklist</li> <li>OSCE</li> </ul> |

| Unit | Time (Hrs)               | Learning Outcomes  | Content  | Teaching/Learning Activities  | Assessment Methods  |
|------|--------------------------|--|--|---|---|
|      |                          |  | <p>the childbirth (Routine care of newborn)</p> <ul style="list-style-type: none"> <li>• Skin to skin contact and thermoregulation</li> <li>• Infection prevention</li> <li>• Immunization</li> <li>• Minor disorders of newborn and its management</li> </ul>   | <p>management</p> <ul style="list-style-type: none"> <li>• Partial completion of SBA module</li> </ul>  |   |
| VII  | 8 (T)<br>2 (L)<br>40 (C) | <p>Explain various methods of family planning and role of nurse/midwife in providing family planning services</p> <p>Describe youth friendly services and role of nurses/ midwives</p> <p>Recognize the role of nurses/midwives in gender based violence</p> | <p><b>Family welfare services</b></p> <ul style="list-style-type: none"> <li>• Impact of early/frequent childbearing</li> <li>• Comprehensive range of family planning methods <ul style="list-style-type: none"> <li>○ Temporary methods – Hormonal, non-hormonal and barrier methods</li> <li>○ Permanent methods – Male sterilization and female sterilization</li> </ul> </li> <li>• Action, effectiveness, advantages, disadvantages, myths, misconception and medical eligibility criteria (MEC) for use of various family planning methods</li> <li>• Emergency contraceptives</li> <li>• Recent trends and research in contraception</li> <li>• Family planning counseling using Balanced Counseling Strategy (BCS)</li> <li>• Legal and rights aspects of FP</li> <li>• Human rights aspects of FP adolescents</li> <li>• Youth friendly services – SRHR services, policies affecting SRHR and attitude of nurses and midwives in provision of services (Review)</li> <li>• Importance of follow up and recommended timing</li> </ul> <p><b>Gender related issues in SRH</b></p> <ul style="list-style-type: none"> <li>• Gender based violence – Physical, sexual and abuse, Laws affecting GBV and role of nurse/midwife</li> <li>• Special courts for abused people</li> <li>• Gender sensitive health services including family planning</li> </ul> | <ul style="list-style-type: none"> <li>• Lecture</li> <li>• Supervised practice</li> <li>• Field visits</li> <li>• Scenario based learning</li> <li>• Discussion</li> <li>• GoI guidelines – injectable contraceptives, oral contraceptives, IUCD, male and female sterilization</li> </ul> | <ul style="list-style-type: none"> <li>• Essay type</li> <li>• Short answers</li> <li>• Objective type</li> <li>• Field visit reports</li> <li>• Vignettes</li> </ul> |



## **PRACTICUM**

### **PLACEMENT: VI & VII SEMESTER**

#### **VI SEMESTER: MIDWIFERY/OBSTETRICS AND GYNECOLOGY (OBG) NURSING - I**

**SKILL LAB & CLINICAL:** Skill Lab – 1 Credit (40 hours); Clinical – 3 Credits (240 hours)

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

1. Counsel women and their families on pre-conception care
2. Demonstrate lab tests ex. urine pregnancy test
3. Perform antenatal assessment of pregnant women
4. Assess and care for normal antenatal mothers
5. Assist and perform specific investigations for antenatal mothers
6. Counsel mothers and their families on antenatal care and preparation for parenthood
7. Conduct childbirth education classes
8. Organize labour room
9. Prepare and provide respectful maternity care for mothers in labour
10. Perform per-vaginal examination for a woman in labour if indicated
11. Conduct normal childbirth with essential newborn care
12. Demonstrate skills in resuscitating the newborn
13. Assist women in the transition to motherhood
14. Perform postnatal and newborn assessment
15. Provide care for postnatal mothers and their newborn
16. Counsel mothers on postnatal and newborn care
17. Perform PPIUCD insertion and removal
18. Counsel women on family planning and participate in family welfare services
19. Provide youth friendly health services
20. Identify, assess, care and refer women affected with gender based violence

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

1. Urine pregnancy test
2. Calculation of EDD, Obstetrical score, gestational weeks
3. Antenatal assessment
4. Counseling antenatal mothers
5. Micro birth planning
6. PV examination
7. Monitoring during first stage of labour – Plotting and interpretation of partograph
8. Preparation for delivery – setting up labour room, articles, equipment
9. Mechanism of labour – normal
10. Conduction of normal childbirth with essential newborn care
11. Active management of third stage of labour
12. Placental examination
13. Newborn resuscitation
14. Monitoring during fourth stage of labour
15. Postnatal assessment

16. Newborn assessment
17. Kangaroo mother care
18. Family planning counseling
19. PPIUCD insertion and removal

**CLINICAL POSTINGS (6 weeks × 40 hours per week = 240 hours)**

| <b>Clinical Area</b>                                    | <b>Duration (weeks)</b> | <b>Clinical Learning Outcomes</b>   | <b>Procedural Competencies/ Clinical Skills</b>  | <b>Clinical Requirements</b>   | <b>Assessment Methods</b>   |
|---|-------------------------|---|--|--|---|
| Antenatal OPD and Antenatal ward                        | 1 week                  | <p>Perform antenatal assessment</p> <p>Perform laboratory tests for antenatal women and assist in selected antenatal diagnostic procedures</p> <p>Counsel antenatal women</p> | <ul style="list-style-type: none"> <li>• History collection</li> <li>• Physical examination</li> <li>• Obstetric examination</li> <li>• Pregnancy confirmation test</li> <li>• Urine testing</li> <li>• Blood testing for Hemoglobin, grouping &amp; typing</li> <li>• Blood test for malaria</li> <li>• KICK chart</li> <li>• USG/NST</li> <li>• Antenatal counseling</li> <li>• Preparation for childbirth</li> <li>• Birth preparedness and complication readiness</li> </ul>   | <ul style="list-style-type: none"> <li>• Antenatal palpation</li> <li>• Health talk</li> <li>• Case study</li> </ul>   | <ul style="list-style-type: none"> <li>• OSCE</li> <li>• Case presentation</li> </ul>   |
| Labour room   | 3 weeks                 | <p>Monitor labour using partograph</p> <p>Provide care to women during labour</p> <p>Conduct normal childbirth, provide care to mother and immediate care of newborn</p>      | <ul style="list-style-type: none"> <li>• Assessment of woman in labour</li> <li>• Partograph</li> <li>• Per vaginal examination when indicated</li> <li>• Care during first stage of labour</li> <li>• Pain management techniques</li> <li>• Upright and alternative positions in labour</li> <li>• Preparation for labour – articles, physical, psychological</li> <li>• Conduction of normal childbirth</li> <li>• Essential newborn care</li> <li>• Newborn resuscitation</li> <li>• Active management of third stage of labour</li> <li>• Monitoring and care during fourth stage of labour</li> </ul> | <ul style="list-style-type: none"> <li>• Partograph recording</li> <li>• PV examination</li> <li>• Assisting/ Conduction of normal childbirth</li> <li>• Case study</li> <li>• Case presentation</li> <li>• Episiotomy and suturing if indicated</li> <li>• Newborn resuscitation</li> </ul> | <ul style="list-style-type: none"> <li>• Assignment</li> <li>• case study</li> <li>• Case presentation</li> <li>• OSCE</li> </ul> |
| Post-partum clinic and Postnatal Ward including FP unit | 2 weeks                 | <p>Perform postnatal assessment</p> <p>Provide care to normal postnatal mothers and newborn</p>   | <ul style="list-style-type: none"> <li>• Postnatal assessment</li> <li>• Care of postnatal mothers – normal</li> <li>• Care of normal newborn</li> <li>• Lactation management</li> </ul>   | <ul style="list-style-type: none"> <li>• Postnatal assessment</li> <li>• Newborn assessment</li> <li>• Case study</li> </ul>   | <ul style="list-style-type: none"> <li>• Assignment</li> <li>• Case study</li> <li>• Case presentation</li> </ul>                 |

| Clinical Area | Duration (weeks) | Clinical Learning Outcomes  | Procedural Competencies/ Clinical Skills   | Clinical Requirements   | Assessment Methods |
|---------------|------------------|---|--|---|--------------------|
|               |                  | Provide postnatal counseling<br><br>Provide family welfare services | <ul style="list-style-type: none"> <li>• Postnatal counseling</li> <li>• Health teaching on postnatal and newborn care</li> <li>• Family welfare counseling</li> </ul> | <ul style="list-style-type: none"> <li>• Case presentation</li> <li>• PPIUCD insertion &amp; removal</li> </ul> |                    |

**Note:** Partial Completion of SBA module during VI semester

## VII SEMESTER

### 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)**

| <b>Clinical Areas</b>  | <b>Duration (Weeks)</b> | <b>Learning Outcomes</b>  | <b>Procedural Competencies/ Clinical Skills</b>   | <b>Clinical Requirements</b>   | <b>Assessment Methods</b>   |
|--|-------------------------|---|---|--|---|
| 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"> <li>• Kick chart, DFMC</li> <li>• Assist in NST/CTG/USG</li> <li>• Assisting in advanced diagnostic procedures</li> <li>• Care of antenatal women with complications in pregnancy</li> <li>• Antenatal counselling</li> <li>• Preparation for childbirth, Birth preparedness and complication readiness</li> <li>• Post abortion care</li> <li>• Post abortion counselling</li> <li>• Counselling infertile couples</li> </ul>   | <ul style="list-style-type: none"> <li>• Antenatal palpation</li> <li>• Health talk</li> <li>• Case study</li> </ul>   | <ul style="list-style-type: none"> <li>• Simulation</li> <li>• Case presentation</li> <li>• OSCE</li> </ul>   |
| 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"> <li>• Assessment of woman in labour</li> <li>• Partograph</li> <li>• Pervaginal examination if indicated</li> <li>• Obstetric examination</li> <li>• Care during first stage of labour</li> <li>• Pain management techniques</li> <li>• Upright and alternative positions in labour</li> <li>• Preparation for labour – articles, physical, psychological</li> <li>• Conduction of normal childbirth</li> <li>• Essential newborn care</li> <li>• Newborn resuscitation</li> <li>• Active management of third stage of labour</li> <li>• Monitoring and care during fourth stage of labour</li> <li>• Identification, stabilization, referral and assisting in management of prolonged labour, cervical dystocia, CPD, contracted pelvis</li> <li>• Assist in the management of</li> </ul> | <ul style="list-style-type: none"> <li>• Partograph recording</li> <li>• Pain management during labour</li> <li>• Conduction of normal childbirth</li> <li>• Assisting in abnormal deliveries</li> <li>• Managing complication during labour</li> <li>• Case study</li> <li>• Case presentation</li> </ul> | <ul style="list-style-type: none"> <li>• Assignment</li> <li>• Case study</li> <li>• Case presentation</li> <li>• Simulation</li> <li>• OSCE</li> </ul> |

| Clinical Areas                                  | Duration (Weeks) | Learning Outcomes   | Procedural Competencies/ Clinical Skills  | Clinical Requirements  | Assessment Methods  |
|---|------------------|---|---|--|---|
|   |                  |   | <p>abnormal deliveries – posterior position, breech deliveries, twin deliveries, vacuum extraction, forceps delivery, shoulder dystocia</p> <ul style="list-style-type: none"> <li>• Assist in cervical encirclement procedures, D&amp;C, D&amp;E</li> <li>• Identify, assist and manage trauma to the birth canal, retained placenta, post partum hemorrhage, uterine atony</li> <li>• Management of obstetric shock</li> </ul>  |  |   |
| Postnatal Ward                                  | 1 week           | <p>Perform postnatal assessment and identify postnatal complications</p> <p>Provide postnatal care</p> <p>Provide family welfare services</p>   | <ul style="list-style-type: none"> <li>• Postnatal history collection and physical examination</li> <li>• Identify postnatal complications</li> <li>• Care of postnatal mothers – abnormal deliveries, caesarean section</li> <li>• Care of normal newborn</li> <li>• Lactation management</li> <li>• Postnatal counselling</li> <li>• Health teaching on postnatal and newborn care</li> <li>• Family welfare counselling</li> </ul>   | <ul style="list-style-type: none"> <li>• Health talk</li> <li>• Postnatal assessment</li> <li>• Newborn assessment</li> <li>• Case studies</li> <li>• Case presentation</li> <li>• PPIUCD insertion and removal</li> </ul> | <ul style="list-style-type: none"> <li>• Role play</li> <li>• Assignment</li> <li>• Case study</li> <li>• Case presentation</li> <li>• Simulation</li> <li>• Vignettes</li> <li>• OSCE</li> </ul> |
| Neonatal Intensive Care Unit                    | 1week            | <p>Perform assessment of newborn and identify complications/congenital anomalies</p> <p>Perform neonatal resuscitation</p> <p>Care of high risk newborn</p> <p>Provide care for newborns in ventilator, incubator etc</p> <p>Assist/perform special neonatal procedures</p> | <ul style="list-style-type: none"> <li>• Neonatal assessment – identification of complication, congenital anomalies.</li> <li>• Observation of newborn</li> <li>• Neonatal resuscitation</li> <li>• Phototherapy and management of jaundice in newborn</li> <li>• Assist in Exchange transfusion</li> <li>• Neonatal feeding – spoon and katori, paladai, NG tube</li> <li>• Care of baby in incubator, ventilator, warmer</li> <li>• Infection control in the nursery</li> <li>• Neonatal medications</li> <li>• Starting IV line for newborn, drug calculation</li> </ul> | <ul style="list-style-type: none"> <li>• Case study</li> <li>• Case presentation</li> <li>• Assignments</li> <li>• Simulated practice</li> </ul>   | <ul style="list-style-type: none"> <li>• Case presentation</li> <li>• Care study</li> <li>• Care plan</li> <li>• Simulation, Vignettes</li> <li>• OSCE</li> </ul>                                 |
| Obstetric/ Gynae operation theatre & Gynecology | 2weeks           | Assist in gynecological and obstetric surgeries   | <ul style="list-style-type: none"> <li>• Observe/Assist in caesarean section</li> <li>• Management of retained placenta</li> </ul>  | <ul style="list-style-type: none"> <li>• Assisting in obstetric and gynecological surgery</li> <li>• Tray set-up for</li> </ul>  | <ul style="list-style-type: none"> <li>• Assignment</li> <li>• Tray set-up for obstetric and gynecological surgeries</li> </ul>   |

| Clinical Areas | Duration (Weeks) | Learning Outcomes                           | Procedural Competencies/ Clinical Skills  | Clinical Requirements  | Assessment Methods   |
|----------------|------------------|---|---|--|--|
| Ward           |                  | Care for women with gynecological disorders | <ul style="list-style-type: none"> <li>• Gynecological surgeries</li> <li>• Hysterectomy</li> <li>• Uterine rupture</li> <li>• Care of women with gynecological conditions</li> <li>• Health education</li> </ul> | caesarean section<br><ul style="list-style-type: none"> <li>• Care plan</li> </ul> | <ul style="list-style-type: none"> <li>• Case presentation</li> <li>• Simulation</li> <li>• Vignettes</li> </ul> |

**Note:** Completion of safe delivery App module during VII Semester

### REFERENCE

1. DUTTA- -Text book of Obstetrics 4th Ed., -Text book of Gynecology 3rd ed.
2. C.S. DAWN- - Textbook of Gynecology Contraception and Demography 13th ed.
3. BOBAK JENSEN- - Essentials of Maternity Nursing 3rd ed.
4. LONGMAN - Clinical Obstetrics 9th ed.
5. CAMPBELL -Gynecology by ten teachers 17th ed.
6. MYLES - Text book of Midwives 14th ed.