

## **COURSE PLAN**

### **OBSTETRICS & GYNAECOLOGICAL NURSING**

Placement : I Year

Theory 150 Hours

Practical 650 Hours

Total 800 Hours

This course is designed to assist students in developing expertise and indepth understanding in the field of Obstetric and Gynaecological Nursing. It will help students to appreciate the client as a holistic individual and develop skill to function as an independent midwifery practitioner. It will further enable the student to function as educator, manager, and researcher in the field of Obstetric and Gynaecological nursing

### **SPECIFIC OBJECTIVES**

At the end of the course the students will be able to:

1. Appreciate the trends in the field of midwifery, obstetrics and gynaecology as a speciality.
2. Describe the population dynamics and indicators of maternal and child health
3. Describe the concepts of biophysical, psychological and spiritual aspects of normal pregnancy, labor and puerperium.
4. Provide comprehensive nursing care to women during reproductive period and newborns.
5. Integrate the concepts of family centered nursing care and nursing process approach in obstetric and gynaecological nursing.
6. Identify and analyze the deviations from normal birth process and refer appropriately.
7. Describe the pharmacological agents, their effects during pregnancy, child birth, puerperium, lactation and the role of nurse
8. Counsel adolescents, women and families on issues pertaining to pregnancy, child birth and lactation
9. Describe the role of various types of complementary and alternative therapies in obstetric and gynaecological nursing.
10. Incorporate evidence based nursing practice and identify the areas of research in the field of obstetric and gynaecological nursing.
11. Describe the recent advancement in contraceptive technology and birth control measures
12. Appreciate the legal and ethical issues pertaining to obstetric and gynaecological nursing

Unit	Hrs	Learning Objective	Contents	Teaching / Learning / Activities	Assessment Methods
I	10	<ul style="list-style-type: none"> <li>• Explain concept and Epidemiological aspects of maternal and child health</li> <li>• Describe National health and family welfare programmes related to maternal and child health</li> </ul>	<p><b>Introduction</b></p> <ul style="list-style-type: none"> <li>□ Historical and contemporary perspectives</li> <li>□ Epidemiological aspects of maternal and child health</li> <li>□ Magnitude of maternal and child health problems</li> <li>□ Issues of maternal and child health : Age, Gender, Sexuality, psycho Socio cultural factors</li> <li>□ Preventive obstetrics</li> <li>□ National health and family welfare programmes related to maternal and child health: health care delivery system National Rural health mission, Role of NGO's</li> <li>□ Theories, models and approaches applied to midwifery practice</li> <li>□ Role and scope of midwifery practice: Independent Nurse midwifery practitioner</li> <li>□ Legal and Ethical issues: Code of ethics and standards of midwifery practice, standing orders</li> <li>□ Evidence based midwifery practice</li> <li>□ Research priorities in obstetric</li> </ul>	<ul style="list-style-type: none"> <li>• Lecture cum discussion</li> </ul>	<ul style="list-style-type: none"> <li>• Essay type</li> <li>• Short answers</li> <li>• Objective type</li> </ul>

			and gynaecological nursing.		
<b>II</b>	<b>15</b>	<ul style="list-style-type: none"> <li>• Explain the anatomy and physiology of human reproductive system</li> </ul>	<b>Human reproduction</b> <ul style="list-style-type: none"> <li>□ Review of anatomy and physiology of human reproductive system: male and female</li> <li>□ Hormonal cycles</li> <li>□ Embryology</li> <li>□ Genetics, teratology and counseling</li> <li>□ Clinical implications</li> </ul>	<ul style="list-style-type: none"> <li>• Lecture discussion</li> <li>• Models</li> </ul>	<ul style="list-style-type: none"> <li>• Essay type</li> <li>• Short answers</li> <li>• Objective type</li> </ul>
<b>III</b>	<b>25</b>	Explain the Maternal adaptation and diagnostics testing during pregnancy	<b>Pregnancy</b> <ul style="list-style-type: none"> <li>□ Maternal adaptation : Physiological, psychosocial Assessment – Maternal and foetal measures</li> </ul> <p>Maternal measures: History taking , examination- General, physical and obstetrical measure, identification of high risk,</p> <p>Foetal measure- clinical parameters, biochemical- human estriol, Maternal Serum Alfa Feto Protein, Acetyl Choline esterase (AchE), Triple Test Aminocentesis, Cordocentesis, chorionic villus sampling (CVS)), Biophysical- (US IMAGING, Foetal movement count, Ultra-Sonography,</p>	<ul style="list-style-type: none"> <li>• Lecture Discussion</li> <li>• Demonstration</li> </ul>	<ul style="list-style-type: none"> <li>• Essay type</li> <li>• Short answers</li> </ul>

			<p>Cardiotocography, cardiogram, Non Stress Test(NST), Contraction stress test(CST), amnioscopy, foetoscopy, Radiological examination,</p> <ul style="list-style-type: none"> <li>□ Interpretation of diagnostic tests and nursing implications</li> <li>□ Nursing management of the pregnant women, minor disorders of pregnancy and management, preparation for child birth and parenthood, importance of institutional delivery , choice of birth setting, importance and mobilizing of transportation, prenatal counseling, role of nurse and crisis intervention, identification of high risk pregnancy and refer</li> <li>□ Alternative/complementary therapies</li> </ul>		
IV	25	Explain the Normal labour and role of nurses	<p><b>Normal Labour and nursing management:</b></p> <ul style="list-style-type: none"> <li>□ Essential factors of labour</li> <li>□ Stages and onset First stage: Physiology of normal labour Use of partograph: Principles, use and critical analysis, • evidence based studies Analgesia and</li> </ul>	<ul style="list-style-type: none"> <li>• Lecture cum discussion</li> <li>• Documenting formats</li> </ul>	<ul style="list-style-type: none"> <li>• Essay type</li> <li>• Short answers</li> </ul>

			<p>anaesthesia in labour•  Nursing management•  Second stage Physiology ,  intrapartum monitoring•  Nursing management. •  Resuscitation , immediate  newborn care and initiate  breast• feeding (Guidelines  of National neonatology  forum of India) Third stage  Physiology and nursing  management• Fourth stage –  Observation, critical analysis  and Nursing management.  Various child birth practice:  water birth, position change  etc• Evidence based practice  in relation to labour  intervention• Role of nurse  midwifery practitioner  Alternative/complementary  therapies•</p>		
V	20	Describe the Normal puerperium and nursing management	<p><b>Normal puerperium and nursing management</b>  <input type="checkbox"/> Physiology of puerperium <input type="checkbox"/>  Physiology of lactation, lactation  management, exclusive breast  feeding ,Baby friendly hospital  intitative(BFHI)  <input type="checkbox"/> Assessment of postnatal  women .</p>	<ul style="list-style-type: none"> <li>• Lecture cum discussion</li> </ul>	<ul style="list-style-type: none"> <li>• Essay type</li> </ul>

			<ul style="list-style-type: none"> <li>□ Minor discomforts and complications of puerperium</li> <li>□ Management of mothers during puerperium: Postnatal exercises</li> <li>Rooming in, bonding, warm chain</li> <li>□ Evidence based studies</li> <li>Role of nurse midwifery practitioner</li> <li>Alternative/complementary therapies•</li> </ul>		
VI	20	Describe the normal newborn	<p><b>Normal Newborn</b></p> <ul style="list-style-type: none"> <li>□ Physiology and characteristics of normal newborn</li> <li>□ Physical and Behavioural assessment of newborn</li> <li>□ Needs of newborn</li> <li>□ Essential newborn care: Exclusive breast feeding, Immunization, Hygiene measures, Newborn nutrition</li> <li>□ Organization of neonatal care, services(Levels), transport, neonatal intensive care unit, organization and management of nursing services in NICU</li> <li>□ Observation and care of newborn</li> <li>□ Parenting process</li> </ul>	<ul style="list-style-type: none"> <li>• Lecture cum discussion</li> </ul>	<ul style="list-style-type: none"> <li>• Essay type questions</li> </ul>

VII	10	Describe the Pharmacodynamics in obstetrics	<b>Pharmacodynamics in obstetrics</b> <ul style="list-style-type: none"> <li>□ Drugs used in pregnancy, labour, post partum and newborn</li> <li>□ Calculation of drug dose and administration</li> <li>□ Effects of drugs used</li> <li>□ Anaesthesia and analgesia in obstetrics</li> <li>□ Roles and responsibilities of midwifery nurse practitioner</li> <li>□ Standing orders and protocols and use of selected life saving drugs and interventions of obstetric emergencies approved by the MOHFW</li> </ul>	<ul style="list-style-type: none"> <li>• Lecture cum discussion</li> </ul>	<ul style="list-style-type: none"> <li>• Essay type</li> </ul>
VIII	10	<ul style="list-style-type: none"> <li>• Describe the Family welfare services</li> </ul>	<b>Family welfare services</b> <ul style="list-style-type: none"> <li>□ Population dynamics</li> <li>□ Demography trends: vital statistics, calculation of indicators especially maternal and neonatal mortality rates and problems and other health problems</li> <li>□ Recent advancement in contraceptive technology</li> <li>□ Role of nurses in family welfare programmes in all settings</li> <li>□ Role of independent nurse midwifery practitioner</li> <li>□ Family life education</li> <li>□ Evidence based studies</li> <li>□ Information, Education and Communication (IEC)</li> <li>□ Management information and</li> </ul>	<ul style="list-style-type: none"> <li>• Lecture cum discussion</li> </ul>	<ul style="list-style-type: none"> <li>• Essay type</li> </ul>

			evaluation system(MIES) □ Teaching and supervision of health team members		
<b>IX</b>	<b>05</b>	• Describe Infertility	<b>Infertility</b> □ Primary and secondary causes □ Diagnostic procedures □ Counseling: ethical and legal aspects of assisted reproductive technology(ART) □ Recent advancement in infertility management. □ Adoption procedures Role of nurses in infertility management.	• Lecture cum discussion	• Essay type
<b>X</b>	<b>05</b>	Explain Menopause	<b>Menopause</b> □ Physiological, psychological and social aspects □ Hormone Replacement Therapy □ Surgical menopause □ Counseling and guidance Role of midwifery nurse practitioner	• Lecture cum discussion	• Essay type
<b>XI</b>	<b>05</b>	Describe Abortion	<b>Abortion</b> □ Types, causes □ Legislations, Clinical rights and professional responsibility □ Abortion procedures □ Complications □ Nursing management Role of midwifery nurse practitioner	• Lecture cum discussion	• Essay type

**BOOKS:**



- 1. Dutta DC. 'Textbook of Obstetrics', Jaypee publications, ed 8, 2015**
- 2. Sharma JB. 'Textbook of Obstetrics', Jaypee publications, 2014**
- 3. Cunningham et al. 'William Obstetrics',Mcgraw Hill Publications, 2<sup>4th</sup> Edition, 2011**

**ST. STEPHEN'S HOSPITAL COLLEGE OF  
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**COURSE PLAN  
Obstetric & Gynaecological Nursing  
(M.Sc. NURSING 1<sup>st</sup> YEAR)**

**SHEEBA PRIYANKA JOSEPH**

