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# Competency-Based NMC Curriculum

Number	Competency The student should be able to	Core (Y/N)	Teaching-Learning Methods	Chapter Number	Page Number
OG1.1	Define and discuss birth rate, maternal mortality and morbidity	Y	Lecture, Small group discussion	38	554-564
OG1.2	Define and discuss perinatal mortality and morbidity including perinatal and neonatal mortality and morbidity audit	Y	Lecture, Small group discussion	38	554-564
OG1.3	Define and discuss still birth and abortion	Y	Lecture, Small group discussion	16 22	153-166 310-313
OG2.1	Describe and discuss the development and anatomy of the female reproductive tract, relationship to other pelvic organs, applied anatomy as related to obstetrics and gynecology	Y	Lecture, Small group discussion	1	1-15
OG3.1	Describe the physiology of ovulation, menstruation, fertilization, implantation and gametogenesis	Y	Lecture, seminars	2	16-25 
OG4.1	Describe and discuss the basic embryology of fetus, factors influencing fetal growth and development, anatomy and physiology of placenta, and teratogenesis	Y	Lecture, Small group discussion	3 4	26-37 38-42
OG5.1	Describe, discuss and identify pre-existing medical disorders and discuss their management; discuss evidence-based intrapartum care	Y	Lecture, Bedside clinics	20 39	246-293 565-591
OG5.2	Determine maternal high-risk factors and verify immunization status	Y	Lecture, Bedside clinics	10 39	93 565-591
OG6.1	Describe, discuss and demonstrate the clinical features of pregnancy, derive and discuss its differential diagnosis, elaborate the principles underlying and interpret pregnancy tests.	Y	Lecture, Small group discussion, Bedside clinics	5 6 7 15 41	43-54 55-60 61-68 149-152 598-608
OG7.1	Describe and discuss the changes in the genital tract, cardiovascular system, respiratory, hematology, renal and gastrointestinal system in pregnancy	Y	Lecture, seminars	5	43-54
OG8.1	Enumerate, describe and discuss the objectives of antenatal care, assessment of period of gestation; screening for high-risk factors.	Y	Small group discussion, Bedside clinics, Lecture	10 11 12 39	86-94 95-101 102-107 565-570
OG8.2	Elicit document and present an obstetric history including menstrual history, last menstrual period, previous obstetric history, comorbid conditions, past medical history and surgical history	Y	Small group discussion, Bedside clinics, Lecture	8 10 23	69-75 86-94 314-330 
OG8.3	Describe, demonstrate, document and perform an obstetrical examination including a general and abdominal examination and clinical monitoring of maternal and fetal wellbeing;	Y	Bed side clinic, DOAP session	8 10 11	69-75 86-94 95-101 
OG8.4	Describe and demonstrate clinical monitoring of maternal and fetal wellbeing	Y	Bedside clinic, DOAP session, Small group discussion	10 11	86-94 95-101 
OG8.5	Describe and demonstrate pelvic assessment in a model	Y	DOAP session	9 24	79-85 331-339 
OG8.7	Enumerate the indications for and types of vaccination in pregnancy	Y	Lecture, Small group discussion	10 20	93 246-293

Number	Competency The student should be able to	Core (Y/N)	Teaching-Learning Methods	Chapter Number	Page Number
OG8.8	Enumerate the indications and describe the investigations including the use of ultrasound in the initial assessment and monitoring in pregnancy	Y	Lecture, Small group discussion	7 41	61–66 598-608
OG9.1	Classify, define and discuss the etiology and management of abortions including threatened, incomplete, inevitable, missed and septic	Y	Lecture, Small group discussion	16	153-189
OG9.2	Describe the steps and observe/assist in the performance of an MTP evacuation	Y	DOAP session, Bedside clinic	16	166-169
OG9.3	Discuss the etiology, clinical features, differential diagnosis of acute abdomen in early pregnancy (with a focus on ectopic pregnancy) and enumerate the principles of medical and surgical management	Y	Lecture, Small group discussion	16 20	153-189 292-293
OG9.4	Discuss the clinical features, laboratory investigations, ultrasonography, differential diagnosis, principles of management and follow up of gestational trophoblastic neoplasms	Y	Lecture, Small group discussion	16	182-189
OG9.5	Describe the etiopathology, impact on maternal and fetal health and principles of management of hyperemesis gravidarum	Y	Lecture, Small group discussion	15	149-152
OG10.1	Define, classify and describe the etiology, pathogenesis, clinical features, ultrasonography, differential diagnosis and management of antepartum hemorrhage in pregnancy	Y	Lecture, Small group discussion, Bedside clinic	16 19	153-189 230-245
OG11.1	Describe the etiopathology, clinical features; diagnosis and investigations, complications, principles of management of multiple pregnancies	Y	Lecture, Small group discussion, Bedside clinics	17	190-208
OG12.1	Define, classify and describe the etiology and pathophysiology, early detection, investigations; principles of management of hypertensive disorders of pregnancy and eclampsia, complications of eclampsia.	Y	Lecture, Small group discussion, Bedside clinics	18	209-229
OG12.2	Define, classify and describe the etiology, pathophysiology, diagnosis, investigations, adverse effects on the mother and fetus and the management during pregnancy and labor, and complications of anemia in pregnancy	Y	Lecture, Small group discussion, Bedside clinics	20	246-293
OG12.3	Define, classify and describe the etiology, pathophysiology, diagnosis, investigations, criteria, adverse effects on the mother and fetus and the management during pregnancy and labor, and complications of diabetes in pregnancy	Y	Lecture, Small group discussion, Bedside clinics	20	246-293
OG12.4	Define, classify and describe the etiology, pathophysiology, diagnosis, investigations, criteria, adverse effects on the mother and fetus and the management during pregnancy and labor, and complications of heart diseases in pregnancy	Y	Lecture, Small group discussion, Bedside clinics	20	246-293
OG12.5	Describe the clinical features, detection, effect of pregnancy on the disease and impact of the disease on pregnancy complications and management of urinary tract infections in pregnancy	Y	Lecture, Small group discussion, Bedside clinics	20	246-293
OG12.6	Describe the clinical features, detection, effect of pregnancy on the disease and impact of the disease on pregnancy complications and management of liver disease in pregnancy	Y	Lecture, Small group discussion, Bedside clinics	20	246-293



Number	Competency The student should be able to	Core (Y/N)	Teaching-Learning Methods	Chapter Number	Page Number
OG12.7	Describe and discuss screening, risk factors, management of mother and newborn with HIV	Y	Lecture, Small group discussion, Bedside clinics	20	246-293
OG12.8	Describe the mechanism, prophylaxis, fetal complications, diagnosis and management of isoimmunization in pregnancy	Y	Lecture, Small group discussion, Bedside clinics	23	314-330 
OG13.1	Enumerate and discuss the physiology of normal labor, mechanism of labor in occipito-anterior presentation; monitoring of labor including partogram; conduct of labor, pain relief; principles of induction and acceleration of labor; management of third stage of labor	Y	Lecture, Small group discussion (with models/ videos/ AV aids, etc.)	13 26 27 34 35	108-138 347-377 378-385 479-485 487-495 
OG13.2	Define, describe the causes, pathophysiology, diagnosis, investigations and management of pre-term labor, PROM and postdated pregnancy	Y	Lecture, Small group discussion, Bedside clinics	22	300-313
OG13.3	Observe/assist in the performance of an artificial rupture of membranes	N	DOAP session, Bedside clinic	35	487-495 
OG14.1	Enumerate and discuss the diameters of maternal pelvis and types	Y	Lecture, Small group discussion DOAP session, Bedside clinic	9 24	79-85 331-339 
OG14.2	Discuss the mechanism of normal labor, define and describe obstructed labor, its clinical features; prevention; and management	Y	Lecture, Small group discussion DOAP session, Bedside clinic	13 24 25 27	108-138 331-339 340-346 378-385 
OG14.3	Describe and discuss rupture uterus, causes, diagnosis and management	Y	Lecture, Small group discussion DOAP session, Bedside clinic	29	398-406
OG14.4	Describe and discuss the classification; diagnosis; management of abnormal labor	Y	Lecture, Small group discussion, Bedside clinics	27	378-385
OG15.1	Enumerate and describe the indications and steps of common obstetric procedures, technique and complications: Episiotomy, vacuum extraction; low forceps; cesarean section, assisted breech delivery; external cephalic version; cervical cerclage	Y	Lecture, Small group discussion, seminarsf	26 37	347-377 523-553 
OG15.2	Observe and assist in the performance of an episiotomy and demonstrate the correct suturing technique of an episiotomy in a simulated environment. Observe/assist in operative obstetrics cases including—CS, forceps, vacuum extraction, and breech delivery	Y	DOAP session, Bedside clinic	37	523-553 
OG16.1	Enumerate and discuss causes, prevention, diagnosis, management, appropriate use of blood and blood products in postpartum hemorrhage	Y	Lecture, Small group discussion, Bedside clinics	28 39	386-397 584-585 
OG16.2	Describe and discuss uterine inversion—causes, prevention, diagnosis and management.	Y	Lecture, Small group discussion, Bedside clinics	28	396-397
OG16.3	Describe and discuss causes, clinical features, diagnosis, investigations; monitoring of fetal well-being, including ultrasound and fetal Doppler; principles of management; prevention and counseling in intrauterine growth retardation	Y	Lecture, Small group discussion, Bedside clinics	33	441-466 
OG17.1	Describe and discuss the physiology of lactation	Y	Lecture, Small group discussion	14	143-144

Number	Competency The student should be able to	Core (Y/N)	Teaching-Learning Methods	Chapter Number	Page Number
OG17.2	Counsel in a simulated environment, care of the breast, importance and the technique of breast-feeding	Y	DOAP session	31	419-428
OG17.3	Describe and discuss the clinical features, diagnosis and management of mastitis and breast abscess	Y	Lecture, Small group discussion	30	412-413
OG18.1	Describe and discuss the assessment of maturity of the newborn, diagnosis of birth asphyxia, principles of resuscitation, common problems.	Y	Lecture, Small group discussion	31 32 33	419-428 429-440 441-466
OG18.3	Describe and discuss the diagnosis of birth asphyxia	Y	Lecture, Small group discussion	33	441-466
OG18.4	Describe the principles of resuscitation of the newborn and enumerate the common problems encountered	Y	Lecture, Small group discussion	33	441-466
OG19.1	Describe and discuss the physiology of puerperium, its complications, diagnosis and management; counseling for contraception, puerperal sterilization	Y	Lecture, Small group discussion, Bedside clinics	14 30 36	139-148 407-418 497-523
OG19.2	Counsel in a simulated environment, contraception and puerperal sterilization	Y	DOAP session	36	496-522
OG19.3	Observe/assist in the performance of tubal ligation	Y	DOAP session, intra-operative	36	496-522
OG19.4	Enumerate the indications for, describe the steps in and insert and remove an intrauterine device in a simulated environment	Y	DOAP session	36	496-522
OG20.1	Enumerate the indications and describe and discuss the legal aspects, indications, methods for first and second trimester MTP; complications and management of complications of Medical Termination of Pregnancy	Y	Lecture, Small group discussion	16	166-169
OG20.2	In a simulated environment administer informed consent to a person wishing to undergo Medical Termination of Pregnancy	Y	DOAP session	16 40	166-169 592-597
OG20.3	Discuss Preconception and Prenatal Diagnostic Techniques (PC & PNDT) Act 1994 and its amendments	Y	Lecture, Small group discussion	40	595
OG21.1	Describe and discuss the temporary and permanent methods of contraception, indications, technique and complications; selection of patients, side effects and failure rate including OCs, male contraception, emergency contraception and IUCD	Y	Lecture, Small group discussion, Bedside clinics	36	496-522