

## Dept of OBG – 2019 CBME curriculum -

**Total Competencies -138 in OBGYN**

### Learning Objectives for the Competencies in OBG

Learning Objective of the Topic Number : 1.1

#### OG 1.1 Demographic and vital statistics -BIRTH RATE, MATERNAL MORTALITY & MORBIDITY

Number	COMPETENCY The student should be able to:	Domain K/S/A/C	Level K/KH/SH/P	Suggested Teaching Learning method	Suggested Assessment method	Vertical Integration Horizontal Integration	Year	Hours
<b>OG 1.1</b>	Define and discuss birth rate maternal mortality and morbidity	K	KH	Lecture Symposium Small group discussion	Short notes Viva	Community Medicine	2MBBS	1Hour

	<b>Learning Objectives derived</b>	Domain K/S/A/C	Level K/KH/ SH/P	Suggested Teaching Learning method	Suggested Assessment method	Vertical Integration  Horizontal Integration	Year	Hours
1	At the end of the session, the student should be able to define and discuss Birth rate	K	KH	INTEGRATED LECTURE	Short notes Viva	Community Medicine	Phase3 Part 1	
2	Define and discuss Maternal mortality, Maternal morbidity and Maternal mortality rate	K	KH	INTEGRATED LECTURE	Short notes Viva	Community Medicine	Phase3 Part 1	
3	Discuss the causes of Maternal mortality and Maternal morbidity.	K	KH	INTEGRATED LECTURE	Short notes Viva	Community Medicine	Phase3 Part 1	
4	Enlist the Birth rate and Maternal mortality rate of institution, district, state , India and world.	K	KH	INTEGRATED LECTURE	Short notes Viva	Community Medicine	Phase 3 Part 1	
5	Define and discuss Maternal near miss.	K	KH	INTEGRATED LECTURE	Short notes Viva	Community Medicine	Phase3 Part 1	

6	Discuss the measures to reduce maternal mortality rate in India – including MDSR , Near miss review	K	KH	INTEGRATED LECTURE	Short notes Viva	Community Medicine	Phase3 Part 1	
7.	Discuss the current Maternal mortality rate in India and its importance in formulating National goals.	K	KH	INTEGRATED LECTURE	Short notes Viva	Community Medicine	Phase3 Part 1	Total time 1 HR

**Learning Objective of the Topic Number :**

**OG 1.2 Demographic and vital statistics -PERINATAL AND NEONATAL MORTALITY & MORBIDITY**

Number	COMPETENCY The student should be able to:	Domain K/S/A/C	Level K/KH/SH/P	Suggested Teaching Learning method	Suggested Assessment method	Vertical Integration Horizontal Integration	Year	Hours
<b>OG 1.2</b>	Define and discuss perinatal mortality and morbidity including perinatal and neonatal motality and morbidity audit	K	KH	Lectures Symposium Small group discussion	Short notes Viva	Community Medicine	2MBBS	1 hour

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	<b>Learning Objectives derived</b>	Domain K/S/A/C	Level K/KH/ SH/P	Suggested Teaching Learning method	Suggested Assessment method	Vertical Integration  Horizontal Integration	Year	Hours
1	At the end of the session, the student should be able to define Perinatal and Neonatal period.	K	KH	INTEGRATED LECTURES	Short notes Viva	H- PEDIATRICS	PHASE 3 PART 1	
2	Define Perinatal mortality and morbidity.	K	KH	INTEGRATED LECTURES	Short notes Viva	Community Medicine  H- PEDIATRICS	PHASE 3 PART1	
3	Define Neonatal mortality and morbidity.	K	KH	INTEGRATED LECTURES	Short notes Viva	Community Medicine  H- PEDIATRICS	PHASE 3 PART 1	
4	Define perinatal mortality rate and neonatal mortality rate.	K	KH	INTEGRATED LECTURES	Short notes Viva	Community Medicine  H- PEDIATRICS	PHASE 3 PART 1	

5	Enumerate causes of perinatal and neonatal mortality.	K	KH	INTEGRATED LECTURES	Short notes Viva	Community Medicine H-PEDIATRICS	PHASE 3 PART 1	
6	Discuss predisposing factors to perinatal mortality	K	KH	INTEGRATED LECTURES	Short notes Viva	Community Medicine H-PEDIATRICS	PHASE 3 PART 1	
7.	Discuss steps to reduce perinatal mortality	K	KH	INTEGRATED LECTURES	Short notes Viva	Community Medicine H-PEDIATRICS	PHASE 3 PART 1	

**Learning Objective of the Topic Number : 1.3**

**Demographic and vital statistics – STILL BIRTH AND ABORTION**

Number	COMPETENCY The student should be able to:	Domain K/S/A/C	Level K/KH/SH/P	Suggested Teaching Learning method	Suggested Assessment method	Vertical Integration Horizontal Integration	Year	Hours
OG 1.3	Define and discuss still birth and abortion	K	KH	Lecture Small group discussion	Short notes	Forensic Medicine & Toxicology	2 MBBS 3 MBBS	1

	<b>Learning Objectives derived</b>	Domain K/S/A/C	Level K/KH/ SH/P	Suggested Teaching Learning method	Suggested Assessment method	Vertical Integration  Horizontal Integration	Year	Hours
1	At the end of the session the phase 2 student should be able to correctly define and classify abortion.	K	KH	Lecture  Symposium  Small group discussion	Short note  Viva	Forensic Medicine	PHASE 2  PHASE 3	
2	At the end of the session the phase 2 student should be able to enumerate the causes of 1 <sup>st</sup> and 2 <sup>nd</sup> trimester abortions	K	KH	Lecture  Symposium  Small group discussion	Short note  Viva		PHASE 2  PHASE 3	
3	At the end of the session the phase 2 student should be able to discuss clinical features of various types of abortions	K	KH	Lecture  Symposium  Small group	Short note  Viva		PHASE 2,  PHASE 3	

				discussion				
4	At the end of the session the phase 3 student should be able to define and classify still birth	K	KH	Lecture  Symposium  Small group discussion	Short note  Viva	Forensic Medicine	PHASE 3 PART 1	
5	At the end of the session the phase 3 student should be able to enumerate the causes of still birth	K	KH	Lecture  Symposium  Small group discussion	Short note  Viva		PHASE 3 PART 1	
6	At the end of the session the phase 3 student should be able to discuss management and prevention of still birth	K	KH	Lecture  Symposium  Small group discussion	Short note  Viva		PHASE 3 PART 1	TOTAL TIME 1 HR

**Learning Objective of the Topic Number 2.1 :**

**ANATOMY OF THE FEMALE REPRODUCTIVE TRACT**

Number	COMPETENCY The student should be able to:	Domain K/S/A/C	Level K/KH/SH/P	Suggested Teaching Learning method	Suggested Assessment method	Vertical Integration Horizontal Integration	Year	Hours
OG 2.1	Describe and discuss the development and anatomy of the female reproductive tract, relationship to other pelvic organs, applied anatomy as related to Obstetrics and Gynaecology.	K	KH	Lecture, Small group discussion	Theory/ Skill station	Human Anatomy	Phase 2 MBBS	1

	<b>Learning Objectives derived</b>	Domain K/S/A/C	Level K/KH/SH/P	Suggested Teaching Learning method	Suggested Assessment method	Vertical Integration Horizontal Integration	Year	Hours
1	At the end of the session, the phase 2 student should be able to describe and discuss the development of female Reproductive tract (embryology)	K	KH	Lecture Symposium Small group discussion	Theory Skill station Viva	Human Anatomy	PHASE 2	



2	At the end of the session, the phase 2 student should be able to describe the anatomy of female reproductive tract	K	KH	Lecture  Symposium  Small group discussion	Theory  Skill station  Viva	Human Anatomy	PHASE 2	
3	At the end of the session, the phase 2 student should be able to discuss the changes in the anatomy of the female reproductive tract during pregnancy	K	KH	Lecture  Symposium  Small group discussion	Theory  Skill station  Viva	Human Anatomy	PHASE 2	
4	At the end of the session, the phase 3 student should be able to discuss the relationship of uterus and adnexa to other pelvic organs	K	KH	Lecture  Symposium  Small group discussion	Theory  Skill station  Viva	Human Anatomy	PHASE 3	
5	At the end of the session, the phase 3 student should be able to discuss the	K	KH	Lecture	Theory	Human	PHASE 3	

	applied anatomy of female reproductive tract			Symposium	Skill station	Anatomy		
				Small group discussion	Viva			
6	At the end of the session, the phase 3 student should be able to discuss about the structures which are cut during episiotomy	K	KH	Lecture	Theory	Human Anatomy	PHASE 3	Total Time 1 hr
				Symposium	Skill station			
				Small group discussion	Viva			

### Learning Objective of the Topic Number 3.1

#### Rhysiology of ovulation

Number	COMPETENCY The student should be able to:	Domain K/S/A/C	Level K/KH/ SH/P	Core	Suggested Teaching Learning method	Suggested Assessment method	Vertical Integration Horizontal Integration	Year	Hours
OG 3.1	Describe the physiology of ovulation, fertilization, menstruation implantation and gametogenesis	K	K	Y	Lecture / Seminars	Theory	Physiology		1 hour

	<b>Learning Objectives derived</b>	Domain K/S/A/ C	Level K/KH/ SH/P	Suggested Teaching Learning method	Suggested Assessment method	Vertical Integration  Horizontal Integration	Year	Hours
1	At the end of the session , Phase 2 students must be able to list the endocrinological changes leading to ovulation and describe the changes in follicle after ovulation.	K	K	Lecture Seminar	SAQ	Physiology	Ph 2	
2	At the end of the session , Phase 2 students must be able to describe the hormonal and endometrial changes leading to menstruation.	K	K	Lecture Seminar	SAQ	Physiology	Ph2	
3	At the end of the session , Phase 2 students must be able to describe the events in male and female gametogenesis in the correct order .	K	K	Lecture Seminar	SAQ		Ph2	
4	At the end of the session , Phase 2 students must be able to describe the process of fertilization and list the post fertilization events leading to implantation, up to the 12 <sup>th</sup> day after fertilisation .	K	K	Lecture /Seminar  Audio visual	Theory SAQ  OSCE to label diagrams		Ph2	

**Learning Objective of the Topic : 4.1**

**Development of fetus and placenta**

Number	COMPETENCY The student should be able to:	Domain K/S/A/C	Level K/KH/ SH/P	Suggested Teaching Learning method	Suggested Assessment method	Vertical Integration  Horizontal Integration	Year	Hrs
OG .4.1	Students should be able to  Describe and discuss the basic embryology of fetus,  factors influencing fetal growth and development, anatomy and physiology of placenta, and teratogenesis	K	K	Lecture,  Small group discussion	Theory	Human Anatomy	Phase 2 (Sem 3)  Phase 3 -Part1 (Sem8)	3 hrs

	<b>Learning Objectives derived</b>	Domain K/S/A/C	Level K/KH/ SH/P	Suggested Teaching Learning method	Suggested Assessment method	Vertical Integration  Horizontal Integration	Year	Hrs
1	At the end of Phase 2, students should be able to describe the basic embryology of fetus correctly	K	K	Integrated  Lecture  symposium	MCQ,SAQ	Anatomy  (Embryology)	Phase 2 (Sem 3)	1hr

2	At the end of Phase 2, students should be able to describe the anatomy , physiology , functions & types of placenta correctly	K	K	Integrated Lecture Symposium	Essay, MCQ,SAQ  Draw & label	Anatomy	Phase 2 (Sem 3)	40 min
3	At the end of Phase 2, students should be able to describe fetal circulation accurately	K	KH	Integrated Lecture Symposium	MCQ,SAQ  Draw & label	Anatomy	Phase 2 (Sem 3)	20 min
4	At the end of Phase 3- Part 2, students should be able to Define terratogen, describe their effects and sites of action, FDA classification of drugs in pregnancy, common terratogenic drugs in pregnancy, vaccines in pregnancy correctly	K	KH	Lecture/ Integrated lecture	MCQ,SAQ	Pharmacology	Phase 3 Part2 (Sem 8)	1 hr

**Learning Objective of the Topic : 5.1**

**Preconceptional Counseling**

Number	COMPETENCY The student should be able to:	Domain K/S/A/C	Level K/KH/ SH/P	Suggested Teaching Learning method	Suggested Assessment method	Vertical Integration  Horizontal Integration	Year	Hours
OG 5.1	Describe, discuss and identify the pre existing medical disorders and discuss their management, discuss evidence based intrapartum care.	K/S	SH	Lecture  Bedside clinics	Theory  Clinical assessment	Alignment with medicine	Phase 2  (Sem3)  Phase 3  (Sem8)	

	Learning Objectives derived	Domain K/S/A/C	Level K/KH/ SH/P	Suggested Teaching Learning method	Suggested Assessment method	Vertical Integration  Horizontal Integration	Year	Hours
1	At the end of Phase 2, students should be able to enumerate common preexisting	K	K	Lecture	MCQ	Medicine-Alignment	Phase 2	15 min

	<p>medical disorders that may affect pregnancy correctly.</p> <p>( Hypertension, Diabetes mellitus, Heart disease , Anaemia, Thyroid disorders, Liver diseases, Epilepsy).</p>			<p>Bedside clinics</p> <p>( Combined with history taking in obstetrics)</p>	<p>Viva Voce</p> <p>Clinical case discussion</p>		(Sem3)	
2	<p>At the end of Phase 2, students should be able to Demonstrate how to identify pre-existing medical diseases by eliciting history and physical examination correctly</p>	K/S/A/C	SH	<p>Bedside clinics</p> <p>Video demonstration</p> <p>( Combined with history taking and physical examination )</p>	<p>Clinical case discussion</p> <p>OSCE</p>	Medicine Alignment	Phase 2 (Sem3)	45 min
3	<p>At the end of Phase 2, students should be able to define preconceptional counseling, discuss the importance of preconceptional counseling and should be able to describe the format of preconceptional counseling</p>	K	KH	<p>Lecture</p> <p>Video demonstration</p> <p>Bedside clinics</p> <p>(Combined with</p>	<p>SAQ</p> <p>Viva voce</p>		Phase 2 (Sem 3)	15 min

				antenatal care)				
4	<p>At the end of Phase 3- Part 2, students should be able to discuss the format of preconceptional counseling in each medical disorder correctly.</p> <p>.</p> <p>( Discuss the maternal and fetal effects of pre existing medical diseases/ its management on pregnancy and steps to be taken to optimize maternal health to maximise the outcome of pregnancy - including lifestyle modification, medication including periconceptional folic acid,as a part of preconceptional counseling)</p>	K	KH	<p>Lecture</p> <p>Symposium</p> <p>Bedside clinics</p> <p>Seminar</p> <p>(Preconceptional counselling as a part of a lecture/Case discussion about a particular medical condition</p> <p>Eg: Effects of pregestational DM on pregnancy and preconceptional counseling as a part of management of pregestational DM</p>	<p>MCQ</p> <p>SAQ</p> <p>Viva Voce</p> <p>Clinical case discussion</p>		Phase 3- Part 2 (Sem8 Sem9)	10 min per medical condition in respective lecture/be dside clinics



				in pregnancy)				
5	At the end of Phase 3- Part2, students should be able to demonstrate how to do preconceptional counselling in a mother with known pre-existing medical disorder correctly	K/S/A/C	SH	Bedside Clinics Video demonstration Role play ( Can be done along with clinical case discussion of a particular medical condition )	Clinical case discussion OSCE		Phase 3- Part2 (Sem8)	10min per medical condition case discussion

#### Learning Objective of the Topic 5.2

Number	COMPETENCY The student should be able to:	Domain K/S/A/C	Level K/KH/SH/P	Suggested Teaching Learning method	Suggested Assessment method	Vertical Integration Horizontal Integration	Year	Hours
OG-5.2	Determine the maternal high risk factors and verify the immunization status.	K/S	SH	Lecture Bedside clinics	Theory Clinical assessment	N	Phase 2(Sem3) Phase 3 (Sem8)	2hrs 1hr 15min

	<b>Learning Objectives derived</b>	Domain K/S/ A/C	Level K/KH/ SH/P	Suggested Teaching Learning method	Suggested Assessment method	VI/ HI	Year	Hrs
1	<p>At the end of Phase 2, students should be able to enumerate all the possible maternal high risk factors in pregnancy correctly-</p> <p>Socio demographic, reproductive, obstetric, medical, surgical, personal history , addictions, family history and hereditary disorders</p>	K	K	<p>Lecture</p> <p>Bedside Clinics</p> <p>(Combined with history taking in obstetrics)</p>	<p>SAQ</p> <p>Clinical case discussion</p> <p>Viva Voce</p>		Phase 2 (Sem3)	15 min
2	<p>At the end of Phase 2, students should be able to discuss the effect on each maternal high risk factors on pregnancy correctly</p>	K	KH	<p>Lecture</p> <p>Bedside clinics</p> <p>(Combined with history taking in obstetrics)</p>	<p>SAQ</p> <p>Clinical case discussion</p> <p>Viva Voce</p>		Phase 2 (Sem3)	45 min

3	At the end of Phase 2, students should be able to demonstrate identification of various maternal high risk factors by history taking and examination correctly	K/S/A/C	SH	Bedside clinics	Clinical case discussion  OSCE	Phase 2 (Sem3)	45 min
4	At the end of phase 3-Part 2, students should be able to demonstrate pre conceptional counseling on various maternal high risk factors on pregnancy correctly	K/S/A/C	SH	Bedside clinics  Videodemonstration  Roleplay	Clinical case discussion  OSCE	phase 3 -Part 2 (Sem8)	1hr
5	At the end of Phase 2, should be able to demonstrate verification of immunization status from history accurately – Tetanus, Rubella, Varicella, Hepatitis B.	K/S/A/C	SH	Bedside clinics	Clinical case discussion  OSCE	Phase 2 (Sem3)	15 min
6	At the end of phase 3-Part 2, students should be able to describe the details of different vaccination in pregnancy correctly –  Safe and contraindicated vaccines,  Role of vaccination before planning conception,  Role of vaccines in special situations in pregnancy.	K	KH	Lecture (along with terratogenesis )   Symposium  Bedside clinics	SAQ	Phase3- Part 2 (Sem8)	15 min

**Learning Objective of the Topic 6.1**

Number	COMPETENCY The student should be able to:	Domain K/S/A/C	Level K/KH/ SH/P	Core	Suggested Teaching Learning method	Suggested Assessment method	Vertical Integration  Horizontal Integration	Year	Hours
OG 6.1	Describe, discuss and demonstrate the clinical features of pregnancy, derive and discuss its differential diagnosis, elaborate the principles underlying and interpret pregnancy tests.	S	SH	Y	Lecture / Small group discussion / Bedside clinics	Theory/ clinical assessment/ viva voce			1 Hour

	Learning Objectives derived	Domain K/S/A/C	Level K/KH/ SH/P	Suggested Teaching Learning method	Suggested Assessment method	Vertical Integration  Horizontal Integration	Year	Hours
1	At the end of the session , Phase 2 students must be able to list the symptoms and signs of pregnancy.	K	SH	Lecture  Small group discussions  Bedside clinics	SAQ  OSCE		Ph 2	
2	At the end of the session ,	K	KH	Lecture	SAQ		Ph2	

	Phase 2 students must be able to describe and discuss the differential diagnosis of pregnancy.			Bedside clinics				
3	At the end of the session , Phase 2 students must be able to describe the types of pregnancy tests, their interpretation and other modes of diagnosis of pregnancy	K	KH	Lecture Small group discussions Demonstration	MCQs OSCE	Horizontal-Microbiology	Ph2	

**Learning Objective of the Topic: 7.1**

**Maternal Changes in Pregnancy**

Number	COMPETENCY The student should be able to:	Domain K/S/A/C	Level K/KH/SH/P	Core (Y/N)	Suggested Teaching Learning method	Suggested Assessment method	Vertical Integration Horizontal Integration	Year	Hours
OG 7.1	Describe and discuss the changes in the genital tract, cardiovascular system, respiratory, haematology, renal and gastrointestinal system in pregnancy	K	KH	Y	Lectures, Seminars	Theory, Viva- Voce	Physiology, Anatomy	Phase-2	2 hours 30 mins

	Learning Objectives derived	Domain K/S/A/C	Level K/KH/SH/P	Suggested Teaching Learning method	Suggested Assessment method	Vertical Integration Horizontal Integration	Year	Hours
1	At the end of the session, Phase 2 students should be able to describe the anatomical changes in the genital organs and breasts in pregnancy and discuss the	K	K,KH	Lectures, seminars, small group discussions	Theory, Viva-Voce	Anatomy, Physiology	Phase 2	30 mins

	significance of these changes							
2	At the end of the session, Phase 2 students should be able to describe the metabolic changes in pregnancy and discuss the importance of these changes	K	K, KH	Lectures, seminars, small group discussions	Theory, Viva-Voce	VI Physiology	Phase 2	30 mins
3	At the end of the session, the Phase 2 students should be able to describe the haematological changes and cardiovascular changes in pregnancy and discuss their significance	K	K, KH	Lectures, seminars, small group discussions	Theory, Viva-Voce	VI Physiology	Phase 2	30 mins
4	At the end of the session, Phase 2 students should be able to describe the Systemic changes in Respiratory, Renal and Gastro Intestinal systems in pregnancy and discuss their	K	K, KH	Lectures, seminars, small group discussions	Theory, Viva-Voce	VI Physiology	Phase 2	30 mins

	significance							
5.	At the end of this session Phase 3 Part 1 students should be able to counsel a patient with minor complaints and reassure as physiological changes.	K	KH SH	Role Play	Viva voce		Phase 2	30 mins

Number	COMPETENCY The student should be able to:	Domain K/S/A/C	Level K/KH/SH/P	Suggested Teaching Learning method	Suggested Assessment method	Vertical Integration Horizontal Integration	Year	Hours
OG 8.1	Enumerate, describe and discuss the objectives of antenatal care, assessment of period of gestation; screening for high risk factors	K	KH	Small group discussion, Bedside clinics, Lecture	Written/Viva voce/Skill assessment	Community Medicine	Phase 2 & Phase 3	1 hour 30 minutes



	<b>Learning Objectives derived</b>	Domain K/S/A/C	Level K/KH/ SH/P	Suggested Teaching Learning method	Suggested Assessment method	Vertical Integration  Horizontal Integration	Year	Hours
1	At the end of the session, Phase II students should be able to describe and discuss the objectives of antenatal care	K	K	Lecture Symposium	Written (Essay/  Short answers)		Phase 2	20 min
2	At the end of the session, Phase II students should be able to assess the period of gestation of a pregnant woman	K, C	K, KH	Small group discussion/Bedside  clinics	Viva/OSCE	-	Phase 2	10 min
3	At the end of the session, Phase III students should be able to screen for high risk factors (e.g.: Medical complications, genetic problems etc.)	K, S, C	K, KH	Small group discussions/Bed side clinics/Lecture	Written (Essay/  Short answers), Viva	Medicine	Phase 2  Revision Phase 3	1 Hour

**Learning Objective of the Topic Number : 8.2**

**Obstetric history taking**

Number	COMPETENCY The student should be able to:	Domain K/S/A/C	Level K/KH/SH/P	Suggested Teaching Learning method	Suggested Assessment method	Vertical Integration Horizontal Integration	Year	Hours
OG 8.2	Elicit, document and present an obstetric history including menstrual history, last menstrual period, previous obstetric history, past medical and surgical history	K/C	K/KH	Bed side discussion	Viva Voce		Phase 2	1 Hr

	<b>Learning Objectives derived</b>	Domain K/S/A/C	Level K/KH/SH/P	Suggested Teaching Learning method	Suggested Assessment method	Vertical Integration Horizontal Integration	Year	Hours
1	At the end of the session the phase II student should be able to elicit, document and present an obstetric history including the menstrual history and last menstrual period	K/C	K/KH	Bed side discussion	Viva Voce		P II	20 mts

2	At the end of the session the phase II student should be able to elicit, document and present an obstetric history including past obstetric history and present comorbid conditions	K/C	K/KH	Bed side discussion	Viva Voce		P II	20 mts
3	At the end of the session the phase II student should be able to elicit ,document and present the past medical and surgical history	K/C	K/KH	Bed side discussion	Viva Voce		P II	20 mts

**Learning Objective of the Topic Number : OG 8.3 Topic: Abdominal Examination**

Number	COMPETENCY The student should be able to:	Domain K/S/A/C	Level K/KH/SH/P	Suggested Teaching Learning method	Suggested Assessment method	Vertical Integration Horizontal Integration	Year	Hours
8.3	Describe Demonstrate Document and perform an obstetric examination including a general and abdominal examination and clinical monitoring of maternal and fetal well being.	K/S	SH	Bedside clinic DOAP	Skill assessment Viva voce	Horizontal integration with medicine	Phase 2 Phase 3(Part 1)	2 hours

	<b>Learning Objectives derived</b>	Domain K/S/A/C	Level K/KH/ SH/P	Suggested Teaching Learning method	Suggested Assessment method	Vertical Integration  Horizontal Integration	Year	Hours
1	At the end of the session, a phase 2 student should be able to describe, demonstrate, document and perform the general examination of an antenatal patient.	K/S	KH SH P	Bedside clinic  DOAP	Skill assessment  Viva voce	Horizontal integration with medicine	Phase 2	30mins
2	At the end of the session, a phase 2 and phase 3(part 1) student should be able to describe, demonstrate, document and perform the obstetric examination of an antenatal patient including abdominal palpation, Leopold manoeuvres and assess the maternal well being.	K/S	KH SH P	Bedside clinic  DOAP	Skill assessment  Viva voce		Phase 2  Phase 3(Part 1)	30mins
3	At the end of the session,a phase 2 and phase 3(Part 1)student should be able to describe , demonstrate , perform and document the clinical monitoring of maternal well being.	K/S	KH SH P	Bedside clinic  DOAP	Skill assessment  Viva voce		Phase 2  Phase 3(Part 1)	30mins

4	At the end of the session, a phase 2 and phase 3(Part 1) student should be able to describe,demonstrate , perform and document the clinical monitoring of fetal well being.	K/S	KH SH P	Bedside clinic DOAP	Skill assessment Viva voce		Phase 2 Phase 3(Part 1)	30mins

**Learning Objective of the Topic Number : 8.4 Clinical monitoring of Maternal and Fetal wellbeing**

Number	COMPETENCY The student should be able to:	Domain K/S/A/C	Level K/KH/SH/P	Suggested Teaching Learning method	Suggested Assessment method	Vertical Integration Horizontal Integration	Year	Hours
8.4	Describe and demonstrate clinical monitoring of maternal and fetal wellbeing	K/S/A/C	K/KH/SH/p	BEDSIDE CLINICS  SMALL GROUP DISCUSSIONS	Viva voce  Short answer questions, essay	Nil	Phase-3 (Part 2)	3

	<b>Learning Objectives derived</b>	Domain K/S/A/C	Level K/KH/ SH/P	Suggested Teaching Learning method	Suggested Assessment method	Vertical Integration Horizontal Integration	Year	Hours
1	At the end of session a phase-II student should be able to explain and perform the clinical monitoring of the mother accurately.	K/S/A/C	KH/SH /P	Bedside clinics	Viva voce Short answer questions, essay	Nil	Phase-III (Part 2)	15m
2	At the end of the session phase-II student should be able to explain and perform the clinical monitoring of the fetus accurately.	K/S/A/C	KH/SH /P	Bedside clinics	Viva voce Short answer questions, essay	Nil	Phase-III (Part 2)	15m
3	At the end of the session phase-II student should be able to perform and interpret NST accurately.	K/S/A/C	KH/SH /P	Small group discussion	Viva voce Short answer questions	Nil	Phase-III (Part 2)	15m
4	At the end of the session phase-II student should be able to diagnose abnormal conditions of fetal and maternal monitoring accurately.	K/S/A/C	KH/SH /P	Bedside clinics	Viva voce Short answer questions, essay	Nil	Phase-III (Part 2)	15m

## 8.6 NUTRITION IN PREGNANCY

### Learning Objective of the Topic Number : 8.6 Nutrition in Pregnancy

Number	COMPETENCY The student should be able to	Domain K/S/A/C	Level K/KH/ SH/P	Suggested Teaching Learning method	Suggested Assessment method	Vertical Integration  Horizontal Integration	Year	Hours
8.6	Assess and counsel a patient in a simulated environment regarding appropriate nutrition in pregnancy	K/S	SH	DOAP , Bedside clinics, SGD	Viva voce,  skill assessment	Community medicine  Biochemistry	Phase 2	1 hour 30 minutes

	Learning Objectives derived	Domain K/S/A/C	Level K/KH/ SH/P	Suggested Teaching Learning method	Suggested Assessment method	Vertical Integration  Horizontal Integration	Year	Hours
1	At the end of the session a phase 2 student should know the caloric requirements during pregnancy depending on the BMI of the patient	K/S	KH  SH	DOAP  Bedside clinics	Viva voce	Vertical integration with Community medicine and  Biochemistry	Phase2	30minutes

2	At the end of the session a phase 2 student should know the caloric requirements in antenatal patients belonging to high risk group like GDM, Multiple pregnancy, FGR, Iron deficiency anemia and Obesity	K	KH	SGD Bedside clinics	Viva voce		Phase2	30minutes
3	At the end of the session a phase 2 student should know the recommended daily allowance(RDA) of macronutrients and micronutrients in pregnancy	K	KH	SGD Bedside clinics	Viva voce Theory Short answer questions	Community medicine Biochemistry	Phase2	15minutes
4	At the end of the session a phase 2 student should know the role of micronutrients and source of micronutrients in pregnancy	K	KH	SGD Bedside clinics	Theory Short answer questions	Community medicine Biochemistry	Phase2	15minutes



**Learning Objective of the Topic Number : 8.8 Antenatal investigations including USS**

Number	COMPETENCY The student should be able to:	Domain K/S/A/C	Level K/KH/SH/P	Suggested Teaching Learning method	Suggested Assessment method	Vertical Integration Horizontal Integration	Year	Hours
OG 8.8	Enumerate the indications and describe the investigations including the use of ultrasound in the initial assessment and monitoring in pregnancy.	K	KH	Bedside clinics DOAP Small group discussions	Short answer questions Viva voce Bedside clinical assessment	Vertical integration with Biochemistry Microbiology Clinical Pathology Radiodiagnosis	Phase 2 Phase 3(Part I)	1 hour 2 hours

	<b>Learning Objectives derived</b>	Domain K/S/A/C	Level K/KH/SH/P	Suggested Teaching Learning method	Suggested Assessment method	Vertical Integration Horizontal Integration	Year	Hours
1	At the end of the session, a Phase II student should be able to explain the various antenatal investigations in a normal pregnancy, indications and it's significance in pregnancy.	K	KH	Lectures	Viva voce	Vertical integration with Biochemistry Microbiology Clinical Pathology Radiodiagnosis	Phase 2	30min

2	At the end of the session, a Phase II student should be able to interpret the results of various investigations in an antenatal patient.	K	KH	Small group discussions	Viva voce		P 2	30min
3	At the end of the session, a phase III(Part I) student should be able to explain the investigations required in special situations or high risk pregnancy like pre eclampsia, FGR, recurrent pregnancy loss etc..	K A C	KH	Bedside classes  DOAP	Viva voce		P 3	30min
4	At the end of the session, a phase III(Part I) student should be able to explain the antepartum fetal surveillance tests like NST, USS with biophysical profile, and umbilical artery doppler waveform patterns.	K	KH	DOAP	Viva voce		P3	30min
5	At the end of the session, a Phase III(Part I) student should be able to explain how the investigations help in the management of patients.	K	KH	Small group discussions	Viva voce		P 3	1 hour

**Learning Objective of the Topic Number : 9.1 Early pregnancy complications**

Number	COMPETENCY The student should be able to:	Domain K/S/A/C	Level K/KH/SH/P	Suggested Teaching Learning method	Suggested Assessment method	Vertical Integration Horizontal Integration	Year	Hours
OG 9.1  (OG 1.3 overlap )	Classify ,define and discuss the etiology and management of Miscarriages (Abortions) including threatened , incomplete, inevitable, missed and septic	K	KH	Lecture / Small group discusion	Written/ viva voce			1 hour 30 min

	<b>Learning Objectives derived</b>	Domain K/S/A/C	Level K/KH/SH/P	Suggested Teaching Learning method	Suggested Assessment method	Vertical Integration Horizontal Integration	Year	Hours
1	At the end of the session , Phase 2 students must be able to define , classify and discuss the etiology of Miscarriages	K	KH	Lecture Small group discussion	SAQs Viva voce		Phase 2	
2	At the end of the session , Phase 2 students must be able to explain the	K		Bed side	SAQs		Phase 2	

	examination findings of different types of Miscarriages		KH	clinics Small group discussion	Written			
3	At the end of the session , Phase 2 students must be able to elicit history of different types of miscarriages	K ,S	SH	Bed side clinics	Viva voce		Phase 2	
4	At the end of the session , Phase 3 students must be able to describe the investigations ,Ultrasound findings ,complications and management of different types of miscarriages.	K	SH	Lecture Small group discussion	Essay SAQs Viva voce		Phase 3	
5	At the end of the session ,phase 3 students must be able to know how to break the bad news of miscarriage and counsel the couple regarding a further pregnancy in a standardized patient .	A,C	SH	Role play			Phase 3	

**Learning Objective of the Topic Number : 9.2**

Number	COMPETENCY The student should be able to:	Domain K/S/A/C	Level K/KH/SH/P	Suggested Teaching Learning method	Suggested Assessment method	Vertical Integration Horizontal Integration	Year	Hours
OG 9.2  ( can merge wih 13.4 )	Describe the steps and observe / assist in the performance of an MTP evacuation.	K	SH	DOAP session  Bedside clinic	Viva voce	Forensic medicine	Phase 3 part 1	30 min

	<b>Learning Objectives derived</b>	Domain K/S/A/C	Level K/KH/SH/P	Suggested Teaching Learning method	Suggested Assessment method	Vertical Integration Horizontal Integration	Year	Hours
1	At the end of the session, phase 3 student must be able to enumerate the indications for MTP correctly.	K	KH	Lecture / small group discussion	Written/viva voce		Phase 3 part1	
2	At the end of the session, phase 3 student must be able to discuss the medical and surgical methods of MTP correctly.	K	KH	Lecture / Small group discussion	Written / viva voce		Phase 3 part1	

3	At the end of the session, phase 3 student must be able to describe the steps and observe / assist in the performance of an MTP evacuation.	K	SH	Bed side clinic / DOAP	Viva voce		Phase 3 part1	
4	At the end of the session, phase 3 student must be able to enumerate the complications of MTP evacuation	K	KH	Lecture /small group discussion	Written / Viva voce		Phase 3 part1	

**Learning Objective of the Topic Number : 9.3**

Number	COMPETENCY The student should be able to:	Domain K/S/A/C	Level K/KH/SH/P	Suggested Teaching Learning method	Suggested Assessment method	Vertical Integration Horizontal Integration	Year	Hours
OG9.3	Discuss the etiology ,clinical features, differential diagnosis of acute abdomen in early pregnancy and	K	KH	Lecture Small group discussion	Written Viva voce		Phase 2& 3	1 hour

enumerate the principles of medical and surgical management of ectopic pregnancy								
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	<b>Learning Objectives derived</b>	Domain K/S/A/C	Level K/KH/ SH/P	Suggested Teaching Learning method	Suggested Assessment method	Vertical Integration  Horizontal Integration	Year	Hours
1	At the end of the session, phase 2 student must be able to describe the etiology and clinical features of ectopic pregnancy .	K	KH	Lecture / Small group discussion	Viva voce/ SAQs		Phase 2	
2	At the end of the session , phase2 student must be able to elicit history in a patient with abdominal pain in early pregnancy	S	SH	Bed side clinics	Viva voce		Phase 2	
3	At the end of the session , phase 3 part 1 student must be able to enumerate and differentiate the various causes of acute abdomen in early pregnancy	K	KH	Lecture/ Small group discussion	SAQs / viva voce		Phase 3 part 1	

4	At the end of the session , phase 3 student must be able to describe the investigations and the principles of medical and surgical management of ectopic pregnancy.	K	KH	Lecture / Small group discussion	Structured Essays / viva voce		Phase 3 part 1	
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Number	COMPETENCY The student should be able to:	Domain K/S/A/C	Level K/KH/ SH/P	Suggested Teaching Learning method	Suggested Assessment method	Vertical Integration Horizontal Integration	Year	Hours
OG9.4	Discuss the clinical features,laboratory investigations,ultrasonography,differential diagnosis,principles of management and follow up of gestational trophoblastic disease	K	KH	Lecture  Small group discussion	Written / Viva voce		Phase 3	1 hour

**Learning Objective of the Topic Number : 9.4**

	<b>Learning Objectives derived</b>	Domain K/S/A/C	Level K/KH/ SH/P	Suggested Teaching Learning method	Suggested Assessment method	Vertical Integration Horizontal Integration	Year	Hours
	At the end of the session ,phase 2 students ,must be able to describe the clinical features of Gestational trophoblastic disease	K		Small group discussion	Viva voce/		Phase 2	



1	systematically.		KH		SAQs			
2	At the end of the session ,phase 2 students ,must be able to elicit history of Gestational trophoblastic disease systematically.	S	SH	Bed side clinics	Viva voce		Phase 2	
3	At the end of the session, phase 3 part 2 students ,must be able to enumerate the lab investigations ,ultrasonography and differential diagnosis of gestational trophoblastic disease accurately.	K	KH	Lecture / group discussion	SAQs/ viva voce		Phase 3 Part2	
4	At the end of the session ,phase 3 part2 students , must be able to describe the principles of management , complications and follow up of gestational trophoblastic disease correctly.	K	KH	Lecture / group discussion	Essays / Viva voce		Phase 3 part 2	
5	At the end of the session ,phase 3 part2 students , must be able to counsel the patient regarding the importance of the follow up of gestational trophoblastic disease	K , C	SH	Bed side clinics	Viva voce		Phase 3 part 2	

**Learning Objective of the Topic Number : 9.5**

Number	COMPETENCY The student should be able to:	Domain K/S/A/C	Level K/KH/SH/P	Suggested Teaching Learning method	Suggested Assessment method	Vertical Integration Horizontal Integration	Year	Hours
OG 9.5	Describe the etiopathology , impact on maternal and fetal health and principles of management of hyperemesis gravidarum.	K	KH	Lecture  Small group discussion	Written / viva voce		Phase 3	45 min

	<b>Learning Objectives derived</b>	Domain K/S/A/C	Level K/KH/SH/P	Suggested Teaching Learning method	Suggested Assessment method	Vertical Integration Horizontal Integration	Year	Hours
1	At the end of the session , phase 2 students must be able to differentiate between physiological nausea & vomiting from hyperemesis.	K	KH	Lecture / small group discussion	Viva voce			

2	At the end of the session , phase 2 students must be able to enumerate the causes and explain etiopathogenesis of hyperemesis accurately	K	KH	Lecture / small group discussion	SAQs/ viva voce		Phase 2	
3	At the end of the session , phase 3 students must be able to describe the complications of hyperemesis accurately	K	KH	Lecture / small group discussion	SAQs / viva voce		Phase 3 part 1	
4	At the end of the session , phase 3 students must be able to discuss the investigations and management of hyperemesis correctly.	K	KH	Lecture / small group discussion	Structured essay questions / viva voce		Phase 3 part 1	

### Learning Objective of the Topic Number : 10.1

Number	COMPETENCY The student should be able to:	Domain K/S/A/C	Level K/KH/SH/P	Suggested Teaching Learning method	Suggested Assessment method	Vertical Integration Horizontal Integration	Year	Hours
10.1	Define, classify and describe the aetiology, pathogenesis, clinical features,ultrasound findings, differential	K	KH	Lectures, small group discussion	Short note /viva/ essay		Phase 2  Phase 3 part 1 and	2 hrs

	diagnosis and management of APH.						part 2	
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	<b>Learning Objectives derived</b>	Domain K/S/A/C	Level K/KH/ SH/P	Suggested Teaching Learning method	Suggested Assessment method	Vertical Integration  Horizontal Integration	Year	Hours
1	Define APH and enumerate causes.	K	KH	Lectures, small group discussion	Short note/viva		Phase 2	15 mts
2	Differentiate and classify types of APH  Describe and discuss etiology, pathogenesis, clinical features and diagnosis of placenta praevia.  Describe and discuss etiology, pathogenesis, clinical features and diagnosis of abruption	K  k	KH  KH	Lectures, small group discussion  Lectures,short Group discussions	Short note/viva  Shortnote/ viva		Phase 3 – Part 1  Phase3 part 1	30 mts
3	Enumerate differential diagnosis and investigations to be sent in a case of APH.	K	KH	Lectures, small group discussion	Short note/viva		Phase 3 part 2	15 mts

4	Discuss and analyse management of APH , role of USG, and definitive management in both abruption placenta and placenta praevia	K	KH	Lectures, small group discussion	Short note/viva		Phase 3 part 2	1 hr
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**Learning Objective of the Topic Number : 10.2**

Number	COMPETENCY The student should be able to:	Domain K/S/A/C	Level K/KH/SH/P	Suggested Teaching Learning method	Suggested Assessment method	Vertical Integration Horizontal Integration	Year	Hours
OG 10.2	Enumerate the indications for blood and blood product transfusion in Obstetrics and describe the appropriate use of blood and products , their complications and management	K	KH / SH	1.SDL 2.Practical site visit to blood bank and skill lab/ practical demonstration during internment 3. Small group discussion or lecture class	1.Short note 2.OSCE 3.Project submission entered into record	Vertical integration with Pathology Dept ( Blood bank visit)	Phase 3	30 mts

	<b>Learning Objectives derived</b>	Domain K/S/A/C	Level K/KH/ SH/P	Suggested Teaching Learning method	Suggested Assessment method	Vertical Integration  Horizontal Integration	Year	Hours
1	Enumerate the various blood products available and discuss the separation methods, shelf life and use of each component	K	KH	Lecture/small group discussion	Project submission	Horizontal integration with Pathology	Phase3.part 1	
2	List the blood and components available with indication, complications and use in obstetrics.	K	KH	SDL	Record work		phase 3 part 1	
3	Enumerate the indications for transfusion as well as a massive transfusion protocol and the complications and management of transfusion reactions	K	KH	Lecture/ symposium	Short note		Phase 3 part 2	30 mts
4	Discuss DIC -etiopathology, diagnosis, management and	K	KH	Lectures/small group	Short note		Phase 3 part2	



1	Describe and discuss the etiopathology, classification and clinical features of multiple pregnancies.	K	KH	Lecture/small group discussion.	Theory/clinical assessment.		Phase 2 .	30minutes
2	Describe the maternal and fetal complications associated with multiple pregnancy specifically in relation to chorionicity.	K	KH	Lecture small group discussion, bed side clinics.	Theory/OSCE/clinical assessment/Viva voce.		Phase 3, part 1	30 minutes
3	Explain the examination findings in case of a multiple pregnancy.	K ,S	SH KH	Bedside clinics.	OSCE/clinical assessment/ Viva voce.		Phase 3,part 1.	15 minutes.
4	Describe and discuss the intrapartum and postpartum management and complications of a case of multiple pregnancy	K	KH	Lecture, small group discussion, bed side clinics.	Theory/OSCE/clinical assessment /viva voce.		Phase 3, part 2	30 minutes.

#### Learning Objective of the Topic Number :12.1

Number	COMPETENCY The student should be able to:	Domain K/S/A/C	Level K/KH/SH/P	Suggested Teaching Learning method	Suggested Assessment method	Vertical Integration Horizontal Integration	Year	Hours
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12.1	<b>Define, classify and describe the etiology and pathophysiology , early detection, investigations, principles of management of hypertensive disorders of pregnancy and eclampsia ,its complications and management.</b>	K/S	K/ KH/SH	Lectures, small group discussion,	Short note/essay/viva	Horizontal integration with Dept of Medicine	Phase 2 and 3	5hrs
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	<b>Learning Objectives derived</b>	Domain K/S/A/C	Level K/KH/ SH/P	Suggested Teaching Learning method	Suggested Assessment method	Vertical Integration  Horizontal Integration	Year	Hours
1	1.define gestational hypertension and classify hypertensive disorders in pregnancy.  2-define eclampsia and enumerate complications of gestational	K	KH	Lecture, small group discussion.	Short note/viva		Phase 2	1 hr

	hypertension							
2	<p>1.discuss and analyse etiology, pathophysiology and diagnosis of hypertensive disorders in pregnancy.</p> <p>2Enumerate the investigations and discuss management of gestational hypertension.</p> <p>3.Discuss diagnosis and management of eclampsia</p>	K	KH	Lecture, small group discussion, clinic	Short note/viva case discussion		Phase 3 part 1	1hr clinic
3	<p>1.discuss investigations and management of gestational hypertension, pre eclampsia and eclampsia</p> <p>2Discuss the use of anti hypertensives in pregnancy .</p> <p>3 List the maternal and fetal complications in hypertensive disorders of pregnancy</p> <p>5.Define HELLP syndrome and management .</p>	K	KH	Lecture, small group discussion, clinical case discussions.	Short note/essay/viva	Medicine for horizontal integration	Phase 3 part 2	1 hr clinic



			SH/P			Integration		
1	Classify and define anemia in pregnancy ,describe and discuss the etiopathology of the same	K	KH	Lecture/small group discussion.	Theory/ clinical assessment	Horizontal integration with Pathology	Phase 2	30 minutes
2	Discuss how to investigate and diagnose a case of anaemia	K	KH	Lecture/small group discussion	Theory/OSCE/clinical assessment/ viva voce.	HI with Medicine	Phase 3 part 1	15 minutes
3	Elicit the history and explain the examination findings in a case of anaemia. List Iron rich food	K,S	KH	Bedside clinics.	OSCE/ clinical assessment/viva voce.		Phase 3 part 1	15 minutes
4	Describe the antenatal care and maternal and fetal complications associated with anaemia.	K	KH	Lecture,small group discussion,bedside clinics.	Theory/OSCE/clinical assessment /viva voce.		Phase 3 part 2	30 minutes
5	Describe and discuss the intrapartum and postpartum complications andmanagement of a anemia in pregnancy  analyse use of injectable iron in iron intolerant women.	K	KH	Lecture,small group discussion,bedside clinics.	Theory/OSCE/clinical assessment/viva voce.		Phase 3 part 2	30 minutes
6	List types of anaemia and discuss thalassemia and sickle			Lecture/small			Phase 3 part 2	

	cell anaemia	k	KH	group discussion	Theory/viva			
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### Learning Objective of the Topic Number : 12.3

Number	COMPETENCY The student should be able to:	Domain K/S/A/C	Level K/KH/SH/P	Suggested Teaching Learning method	Suggested Assessment method	Vertical Integration Horizontal Integration	Year	Hours
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	K	KH/SH	Lecture Small group discussion/ Bedside clinics	Written/ viva voce/ OSCE	HI - medicine	PY 2	1 HOUR

complications of Diabetes in pregnancy								
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	Learning Objectives derived	Domain K/S/A/C	Level K/KH/ SH/P	Suggested Teaching Learning method	Suggested Assessment method	Vertical Integration  Horizontal Integration	Year	Hours
1	At the end of session, phase II students, must be able to elicit the history, define gestational diabetes and how to differentiate it from overt diabetes	K	KH	Lecture/SGD	Viva voce/ written	H - medicine	PY 2	10mins
2	At the end of session, phase II students, must be able to describe pathophysiology of GDM and recognize the potential candidates for GDM	K	KH	Lecture/SGD	Written/viva voce	H- medicine	PY2	10mins
3	At the end of the session, phase III- part 1, student must be able to list the screening tests for GDM and criterias for diagnosis of GDM	K	KH	Lecture/SGD	Written/ viva voce	H- medicine	PY3 Part1	10mins
4	At the end of the session, phase III part 2 students must be able to describe maternal and fetal complications of GDM during antepartum period and postpartum	K	KH/SH	Lecture/SGD/  Bed side clinics	Written/viva voce	H- medicine	PY3	10mins

	period							
5	At the end of the session, phase III-part 2 students must be able to discuss the management during pregnancy and labour	K	KH	Lecture/SGD	written/viva voce/ OSCE	H- medicine	PY3	10mins
6	At the end of this session, phase III-part 2 students must be able to counsel the mother at the time of discharge about diet, exercise and blood sugar test	K	KH	Lecture/SGD/ Bedside clinics	Written/ viva voce/OSCE	H- medicine	PY3	10 mins

**Learning Objective of the Topic Number : 12.4**

Number	COMPETENCY The student should be able to:	Domain K/S/A/C	Level K/KH/SH/P	Suggested Teaching Learning method	Suggested Assessment method	Vertical Integration  Horizontal Integration	Year	Hours
OG12.4	<b>Define, classify and describe the etiology, pathophysiology, diagnosis, investigations, criteria, adverse effects on the mother and fetus and the management during pregnancy and</b>	K	KH	Lecture/SGD/ Bedside clinics	Written/viva voce/ OSCE	H	PY 2	1 HOUR

	labor, and complications of Heart diseases in pregnancy							
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	Learning Objectives derived	Domain K/S/A/C	Level K/KH/ SH/P	Suggested Teaching Learning method	Suggested Assessment method	Vertical Integration Horizontal Integration	Year	Hours
1	At the end of the session phase II, the students must be able to enlist the types of heart diseases complicating pregnancy	K	KH	Lecture/SGD	Written/ viva voce	H- medicine	PY 2	10 mins
2	At the end of the session phase II, students must be able to describe the anatomical and physiological changes in cardiovascular system	K	KH	Lecture/SGD	Written/viva voce	H-medicine	PY 2	10 mins
3	At the end of the session, phase III part 1 students must be able to enumerate the symptoms and signs and the diagnostic methods to identify the type of heart disease	K	KH	Lecture/SGD	Written/viva voce	H— medicine/Cardiology	PY 3 Part1	10 mins
4	At the end of the session phase III part 2 students must be able to	K	KH	Lecture/SGD	Written/	H- medicine	PY 3	10





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	K	KH	Lecture/SGD	Written/ viva voce/ OSCE	H- medicine	PY 2	1 hour
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	Learning Objectives derived	Domain K/S/A/C	Level K/KH/ SH/P	Suggested Teaching Learning method	Suggested Assessment method	Vertical Integration  Horizontal Integration	Year	Hours
1	At the end of this session, phase II the students must be able to enumerate the physiological changes in renal system during pregnancy	K	KH	Lecture/SGD	Written/ viva voce	H- medicine	PY 2	10 mins
2	At the end of this session, phase II the students must be able to describe the	K	KH	Lecture/SGD	Written/	H-	PY 2	10

	hormonal and mechanical changes that precipitates urinary tract infection in pregnancy				viva voce	medicine		mins
3	At the end of this session, phase III part 1 the students must be able to define and differentiate between asymptomatic bacteruria, cystitis and acute pyelonephritis	K	KH	Lecture/SGD	Written/ viva voce	H- medicine	PY 3 Part1	15 mins
4	At the end of this session, phase III part 2 the students must be able to identify the most common organism causing urinary tract infection and discuss its impact on pregnancy	K	KH	Lecture/SGD	Written/ viva voce	H- medicine	PY 3 Part2	10 mins
5	At the end of this session, phase III part 2 the students must be able to enumerate the management of urinary tract infection during pregnancy	K	KH	Lecture/SGD/ Bedside clinics	Written/ viva voce/	H- medicine	PY 3 Part2	15 mins

**Learning Objective of the Topic Number : 12.6**

Number	COMPETENCY The student should be able	Domain K/S/A/C	Level K/KH/SH/P	Suggested Teaching Learning	Suggested Assessment	Vertical Integration	Year	Hours
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	to:			method	method	Horizontal Integration		
<b>OG12.6</b>	<b>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</b>	K	KH	Lecture/SGD	Written/viva voce/ OSCE	H- medicine	PY 2	1 hour

	<b>Learning Objectives derived</b>	Domain K/S/A/C	Level K/KH/ SH/P	Suggested Teaching Learning method	Suggested Assessment method	Vertical Integration Horizontal Integration	Year	Hours
1	At the end of this session, phase II the students must be able to enumerate the physiological changes in liver during pregnancy	K	KH	Lecture/SGD	Written/viva voce	H- medicine	PY 2	10 mins
2	At the end of this session, phase II the students must be able to list the causes of jaundice during pregnancy	K	KH	Lecture/SGD	Written/viva voce	H- medicine	PY 2	05 mins

3	At the end of this session, phase III part 1 the students must be able to list the causes of viral hepatitis in pregnancy	K	KH	Lecture/SGD	Written/viva voce	H-medicine	PY 3 Part1	05 mins
4	At the end of this session, phase III part 1 the students must be able to discuss the mode of spread including prevention, symptoms and signs and diagnosis of viral hepatitis during pregnancy for mother and baby	K	KH	Lecture/SGD/ Bedside clinics	Written/viva voce	H-medicine	PY 3 Part1	15mins
5	At the end of this session, phase III part 2 the students must be able to list the maternal and fetal complications of viral hepatitis in pregnancy	K	KH	Lecture/SGD	Written/viva voce	H-medicine	PY 3	10 mins
6	At the end of this session, phase III part 2 the students must be able to enumerate the prevention and management of liver diseases in pregnancy Including Universal Precautions	K	KH	Lecture/SGD	Written/viva voce	H-medicine	PY 3	15 mins

**Learning Objective of the Topic Number : 12.7**

Number	COMPETENCY The student should be able to:	Domain K/S/A/C	Level K/KH/SH/P	Suggested Teaching Learning method	Suggested Assessment method	Vertical Integration Horizontal Integration	Year	Hours
OG12.7	Describe and discuss screening, risk factors, management of mother and newborn with HIV	K	KH	Lecture/SGD	Written/ viva voce/ OSCE	H- medicine	PY 2	1 hour

	Learning Objectives derived	Domain K/S/A/C	Level K/KH/SH/P	Suggested Teaching Learning method	Suggested Assessment method	Vertical Integration Horizontal Integration	Year	Hours
1	At the end of this session, phase II the students must be able to describe the HIV , route of transmission and its incidence of Parent to child transmission(PTCT)	K	KH	Lecture/SGD	Written/ viva voce	H- medicine	PY 2	10 min
2	At the end of this session, phase II the students must be able to discuss the methods of screening for HIV and	K	KH	Lecture/SGD	Written/ viva voce	H- medicine	PY 2	10

	other lab evaluation in pregnant women with positive test result.								mins
3	At the end of this session, phase III part 1 the students must be able to interpret the estimated risk and timing of PTCT in the absence of intervention and enumerate the maternal and obstetric risk factors that influences PTCT	K	KH	Lecture/SGD	Written/ viva voce	H- medicine	PY 3		15 mins
4	At the end of this session, phase III part 1 the students must be able to list the measures to prevent the PTCT during antepartum, intrapartum and post partum period.	K	KH	Lecture/SGD	Written/ viva voc	H- medicine	PY 3		10 min
5	At the end of this session, phase III part 2 the students must be able to discuss the management of mother and newborn with HIV and fetal sequelae	K	KH	Lecture/SGD/ Bedside clinics	Written/ viva voce	H- medicine	PY 3		15 mins

#### Learning Objective of the Topic Number: 12,8

Number	COMPETENCY The student should be able to:	Domain K/S/A/C	Level K/KH/SH/P	Suggested Teaching Learning method	Suggested Assessment method	Vertical Integration Horizontal Integration	Year	Hours
OG12.8	Describe the mechanism,	K	KH	Lecture, Small group	Written/ Viva voce/			

	prophylaxis, fetal complications, diagnosis and management of isoimmunization in pregnancy			discussion, Bedside clinics	Skill assessment			
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	<b>Learning Objectives derived</b>	Domain K/S/A/C	Level K/KH/SH/P	Suggested Teaching Learning method	Suggested Assessment method	Vertical Integration Horizontal Integration	Year	Hours
1	At the end of session, phase II Students ,must be able to define The term isoimmunisation and Describe the pathology of Iso immunisation	K	KH	Lecture/SGD	Vivavoce/ written	H medicine	PY2	10mins
2	At the end of session , phase II student s ,must be able to list the risk factors of isoimmunisation	K	KH	Lecture/SGD	Written/viva voce	H Medicine	Py 2	10min
3	At the end of the session , phase III - part1,students must be able to describe the fetal complications of Rhisoimmunisation	K	KH	Lecture/SGD	Written/viva voce		Py3	10min
4	At the end of the session, phase III part2 students must be able to list the measures to prevent Rh isoimmunisation	K	KH SH	Lecture/SGD Bedside clinics	Written/viva voce		PY3	10min



5	At the end of the session, phase III - part2 students must be able to describe the mode of action, dose and calculation of dose of Anti-D	K	KH SH	Lecture/SGD Bedside clinics	Written/viva voce		PY3	10min
6	At the end of this session ,phase III- part2 students must be able to discuss the diagnosis and Management of Isoimmunisation	K	KH SH	Lecture /SGD Bedside clinics	Written/viva voce		PY3	10min

Topic: Labour Number of competencies: (05) Number of procedures that require certification : (01)

### Learning Objective of the Topic Number 13.1

Number	COMPETENCY	Domain	Level	Core	Suggested Teaching Learning method	Suggested Assessment method	Number required to certify P	Vertical Integration	Horizontal Integration
	The student should be able to:	K/S/A /C	K/KH / SH/P	(Y/N)					
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	K/S	KH	Y	Lecture, Small group discussion (with models/ videos/	Theory/Clinical assessment/ Viva voce			

	labor.				AV aids, etc.)				
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Learning Objectives derived	Domain K/S/A/ C	Level K/KH/ SH/P	Suggested Teaching Learning method	Suggested Assessment method	Vertical Integratio n  Horizontal Integratio n	Year	Hours
At the end of the session phase II students should be able to enumerate the hormones which initiates labour and structural changes in uterus in pregnancy and in labour	K	KH	Lecture  Small Group discussion	Theory short answers	Physiology  Pharmacology	Phase II	1 hour
At the end of session phase II students should be able to describe the stages of labour and its importance.	K	KH	Lecture  Videos	Short Answers  Viva		Phase II	1 hour
At the end of the session Phase II student should be able to define episiotomy, list types of episiotomy advantage and disadvantage, enumerate the structures cut during episiotomy.	K	KH	Small Group discussion	Theory short answers	Anatomy	Phase II	1 hour
At the end of the session Phase III part I students should be able to define induction of labour and enumerate the indications for induction and list 4 methods of induction.	K	KH	Lecture  Videos	Short Answers  Viva		Phase III  Part I	1 hour
At the end of session Phase III part II students should correctly demonstrate the mechanism of labour in OA position.	K,S	KH,SH, P	Small group discussion  Dummy Pelvis  Demonstration Video	Viva practical	Anatomy	Phase III  Part II	1 hour

Number	Learning Objectives derived	Domain K/S/A/C	Level	Suggested Teaching	Suggested Assessment	Vertical Integration	Year	Hours
	At the end of the session Phase III part II students	K,S	SH,P	Bedside	Viva practical	Phase II	1 hour	
	should correctly demonstrate how to monitor mother and foetus in labour . To recognize onset of contraction and how much time it lasts, auscultate foetal heart, CTG interpretation, draw partogram			demonstration  Small group discussion	Log book	Part II		
	At the end of session Phase III part II students should be able to enumerate the sensory dermatome for perception of labour pain and enumerate available options for pain relief and communicate the option to the patients.	K,A,C	KH	Lecture  Small group discussion  DOAP	Viva  Log book	Anaesthesia  Part II	1 hour	

### Learning Objective of the Topic Number 13.2

Number	COMPETENCY	Domain K/S/A/C	Level K/KH/ SH/P	Core (Y/ N)	Suggested Teaching Learning method	Suggested Assessment method	Number required to certify P	Vertical Integration	Horizontal Integration
OG13.2	The student should be able to:  Define, describe the causes, pathophysiology, diagnosis, investigations and management of preterm labor, PROM and postdated pregnancy	K/S	KH	Y	Lecture,  Small group discussion, Bedside clinics	Theory/ OSCE/ Clinical assessment/ Viva voce			

			K/KH/ SH/P	Learning method	method	Horizontal Integration		
	At the end of session phase II students should be able to define and enumerate the causes of preterm labour.	K	K	Lecture Small Group discussion	Essay Short answers	Physiology	Phase II	1 hour
	At the end of session Phase III part I students should be able to define post date and post term, calculate the correct gestational age, perform antenatal surveillance in a post date pregnancy and list the neonatal complications due to post dated pregnancy.	K	KH	Lecture Small group discussions	Theory Short answer Viva		Phase III Part I	1 hour
	At the end of session Phase III part II students should be able to enumerate causes, diagnosis and complication of PROM, and difference in the management from PPRM.	K	KH,SH	Lecture Bedside Clinic DOAP	Essay Theory Log book		Phase III Part II	1 hour
	At the end of session Phase III part II students should recognize signs and symptoms of preterm labour and enumerate steps and rationale in management of preterm labour.	K,S	KH,SH,	Small group discussion Bedside Clinic	Short answer Log book	Pharmacology	Phase III Part II	1 hour

Learning Objective of the Topic Number 13.3

Number	COMPETENCY The student should be able to:	Domain K/S/A/C	Level K/KH/ SH/P	Core (Y/ N)	Suggested Teaching Learning method	Suggested Assessment method	Number required to certify P	Vertical Integration	Horizontal Integration
OG13.3	Observe/ assist in the performance of an artificial rupture of membranes	S	SH	N	DOAP session, Bedside clinic	Skill assessment			

Number	Learning Objectives derived	Domain K/S/A/ C	Level K/KH/ SH/P	Suggested Teaching Learning method	Suggested Assessment method	Vertical Integrat ion  Horizon tal Integrat ion	Year	Hours
1.	2. At the end of the session Phase III part II students should be able to enumerate the steps of ARM and enumerate the advantages and disadvantages of ARM	3. S	4. S H	5. DOAP 6. Bedside clinic	7. Viva 8. practical	9.	10. Phase III 11. Part II	½ hour

Learning Objective of the Topic Number :13.4

Number	COMPETENCY The student should be able to:	Domain K/S/A/C	Level K/KH/ SH/P	Core (Y/N)	Suggested Teaching Learning method	Suggested Assessment method	Number required to certify P	Vertical Integration	Horizontal Integration
OG13.4	Demonstrate the stages of normal labor in a simulated environment  / Mannequin and counsel on methods of safe abortion.	S	SH	Y	DOAP session	Skill assessment			

Number	Learning Objectives derived	Domain K/S/A/ C	Level K/KH/ SH/P	Suggested Teaching Learning method	Suggested Assessment method	Vertical Integration  Horizontal Integration	Year	Hours
1.	2. At the end of the session Phase III part II students should be able to demonstrate mechanism of normal labour in LOA position , conduct of normal labour, episiotomy, and delivery of the placenta in a mannequin	3. K	4. K , S H	5. Small group discussion  6. DOAP	7. Viva  8. Short answers  9. Practical	10.	11. Phase III  12. Part I	13. 1  h o u r
14.	15. At the end of the session Phase III part 1 students should be able to define MTP, indication and methods of MTP enumerate the drugs used for medical MTP  16. List the steps of surgical Abortion.	17. K	18. K , S H	19. Small group discussion  20. DOAP	21. Viva  22. Short answers  23. Practical	24.	25. Phase III  26. Part I	27. 1  h o u r
28.	29. At the end of the session Phase III part I students should be able to define septic abortion, enumerate organisms responsible, complications of septic abortion and rationale of antibiotics	30. K	31. K	32. Bedside clinic  33. Lecture  34. Small discussion	35. Viva  36. Theory  37.	38. Microbiology	39. Phase II  40. Part I	41. 1  h o u r



Learning Objective of the Topic Number 13.5

Number	COMPETENCY The student should be able to:	Domain K/S/A/ C	Level K/KH/ SH/P	Core (Y/ N)	Suggested Teaching Learning method	Suggested Assessment method	Number required to certify P	Vertical Integration	Horizontal Integration
OG13.5	Observe and assist the conduct of a normal vaginal delivery	S	P	Y	DOAP session	Log book	10		

Number	Learning Objectives derived	Domain K/S/A/ C	Level K/KH/ SH/P	Suggested Teaching Learning method	Suggested Assessment method	Vertical Integration  Horizontal Integration	Year	Hours
1.	2. At the end of the session Phase III part II students should be able to demonstrate 3. Identify the 2nd stages of labour 4. Preparation for conduct of labour 5. Demonstrate how to put episiotomy, 6. Assist episiotomy	9. K , S	10. S H / P	11. DOAP 12. Video 13. Small Group discussion	14. Log book 15. Viva	16.	17. Part II	18. 1 hour

7. Enumerate steps of AMTSL								
8. Assist suturing of episiotomy and monitoring of 4th stage.								

**Learning Objective of the Topic Number : OG 14.1      Topic – Abnormal Lie and Presentation ; Maternal Pelvis**

Number	COMPETENCY The student should be able to:	Domain K/S/A/C	Level K/KH/SH/P	Suggested Teaching Learning method	Suggested Assessme nt method	Vertical Integration  Horizontal Integration	Year	Hours
OG 14.1	Enumerate and discuss the diameters of maternal pelvis and types	K, S	KH, SH	Lecture, Small Group teaching	Viva voce,  Written	_____	Ph-3	2 Hrs

	<b>Learning Objectives derived</b>	Domain K/S/A/C	Level K/KH/ SH/P	Suggested Teaching Learning method	Suggested Assessme nt method	Vertical Integration  Horizontal Integration	Year	Hours
14.1.1	At the end of session, phase 3 students must be able to <b>Enumerate diameters of Pelvis</b>	K, S	KH, SH	DEMO/  Lecture with video	Written/ Viva  voce	_____	Ph -3	15 min

14.1.2	At the end of session, phase 3 students must be able to <b>understand planes and axis of pelvis</b>	K, S	KH, SH	DEMO/ Lecture with video	Written/ Viva voce	_____	Ph -3	15 min
14.1.3	At the end of session, phase 3 students must be able to <b>differentiate different types of Pelvis</b>	K, S	KH, SH	DEMO/ Lecture with video	Written/ Viva voce	_____	Ph -3	15 min
14.1.4	At the end of session, phase 3 students must be able to <b>enumerate features of gynecoid pelvis</b>	K, S	KH, SH	DEMO/ Lecture with video	Written/ Viva voce	_____	Ph -3	15 min
14.1.5	At the end of session, phase 3 students must be able to enumerate <b>features of Anthropoid pelvis and Android pelvis</b>	K, S	KH, SH	DEMO/ Lecture with video	Written/ Viva voce	_____	Ph -3	10 min
14.1.6	At the end of session, phase 3 students must be able to <b>enumerate features of platypelloid pelvis</b>	K, S	KH, SH	DEMO/ Lecture with video	Written/ Viva voce	_____	Ph -3	10 min
14.1.7	At the end of session, phase 3 students must be able to enumerate <b>diameters of foetal skull</b>	K, S	KH, SH	DEMO/ Lecture with video	Written/ Viva voce	_____	Ph -3	10 min
14.1.8	At the end of session, phase 3 students must be able to <b>draw diagram of all 4 types of pelvis</b>	K, S	KH, SH	DEMO/Le cture with video	Written/ Viva voce	_____	Ph -3	10 min

14.1.9	At the end of session, phase 3 students must be able to <b>discuss clinical significance of different types of pelvis</b>	K, S	KH, SH	Lecture Small group teaching	Written/ Viva voce	_____	Ph -3	20 min
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**Learning Objective of the Topic Number : OG 14.2      Topic – Abnormal Lie and Presentation ; Maternal Pelvis**

Number	COMPETENCY The student should be able to:	Domain K/S/A/C	Level K/KH/SH/P	Suggested Teaching Learning method	Suggested Assessment method	Vertical Integration  Horizontal Integration	Year	Hours
OG 14.2	Discuss the mechanism of normal labour, Define and describe Obstructed labour, its clinical features, prevention : and management	K	KH	Lecture, Small Group teaching	Written, viva voce,	_____	Ph-3	3 Hr

	<b>Learning Objectives derived</b>	Domain K/S/A/C	Level K/KH/ SH/P	Suggested Teaching Learning method	Suggested Assessment method	Vertical Integration  Horizontal Integration	Year	Hours
14.2.1	At the end of session, phase 2, 3 students must be able to <b>define lie, presentation and position</b>	K	KH	Lecture	Written, viva voce,	_____	Ph 2 Ph-3	20 Min
14.2.2	At the end of session, phase 2 ,3 students must be able to define <b>Normal labour and describe stages of labour</b>	K	KH	Lecture, Small Group teaching	Written, viva voce,	_____	Ph 2 Ph-3	20 Min
14.2.3	At the end of session, phase 2, 3 students must be able to <b>describe mechanism of normal labour</b>	K	KH	Lecture, Small Group teaching	Written, viva voce,	_____	Ph 2 Ph-3	20 Min
14.2.4	At the end of session, phase 2,3 students must be able to <b>describe normal Partogram</b>	K	KH	Lecture Small Group teaching	Written, viva voce,	_____	Ph 2 Ph-3	20 Min
14.2.5	At the end of session, phase 2, 3 students must be able to <b>describe mechanism of labour in breech presentation</b>	K	KH	Lecture Small Group teaching	Written, viva voce,	_____	Ph 2 Ph-3	20 Min

14.2.6	At the end of session, phase 2,3 students must be able to <b>describe mechanism of labour in face presentation</b>	K	KH	Lecture Small Group teaching	Written, viva voce,	_____	Ph 2 Ph-3	20 Min
14.2.7	At the end of session, phase 2,3 students must be able to <b>describe complications of labour in transverse lie and brow presentation</b>	K	KH	Lecture Small Group teaching	Written, viva voce,	_____	Ph 2 Ph-3	15 Min
14.2.8	At the end of session, phase2, 3 students must be able to describe the <b>causes of Obstructed labour &amp; its clinical features</b>	K	KH	Lecture Small Group teaching	Written, viva voce,	_____	Ph 2 Ph-3	15 Min
14.2.9	At the end of session, phase 2,3 students must be able to discuss <b>how to diagnose early and prevent Obstructed labour</b>	K	KH	Lecture Small Group teaching	Written, viva voce,	_____	Ph 2 Ph-3	15 Min
14.2.10	At the end of session, phase 2, 3 students must be able to <b>describe the management of Obstructed labour</b>	K	KH	Lecture Small Group teaching	Written, viva voce,	_____	Ph 2 Ph-3	15 Min

**Learning Objective of the Topic Number : OG 14.3**

**Topic – Abnormal Lie and Presentation ; Maternal Pelvis**

Number	COMPETENCY The student should be able to:	Domain K/S/A/C	Level K/KH/SH/P	Suggested Teaching Learning method	Suggested Assessme nt method	Vertical Integration  Horizontal Integration	Year	Hours
OG 14.3	Describe and discuss rupture of uterus, diagnosis and management	K	KH	Lecture	Written, viva voce,	_____	Ph-3	1 Hr

	<b>Learning Objectives derived</b>	Domain K/S/A/C	Level K/KH/ SH/P	Suggested Teaching Learning method	Suggested Assessme nt method	Vertical Integration  Horizontal Integration	Year	Hours
14.3.1	At the end of session, phase 3 students must be able to <b>enumerate causes of Rupture Uterus</b>	K	KH	Lecture	Written, viva voce,	_____	Ph-3	15 Min
14.3.2	At the end of session, phase 3 students must be able to <b>describe mechanism of Rupture Uterus including scar rupture</b>	K	KH	Lecture	Written, viva voce,	_____	Ph-3	15 Min

14.3.3	At the end of session, phase 3 students must be able to <b>enumerate clinical findings and diagnosis of Rupture Uterus</b>	K	KH	Lecture	Written, viva voce,	_____	Ph-3	15 Min
14.3.4	At the end of session, phase 3 students must be able to <b>discuss management of Rupture Uterus</b>	K	KH	Lecture	Written, viva voce,	_____	Ph-3	15 Min

**Learning Objective of the Topic Number : OG 14.4      Topic – Abnormal Lie and Presentation ; Maternal Pelvis**

Number	COMPETENCY The student should be able to:	Domain K/S/A/C	Level K/KH/SH/P	Suggested Teaching Learning method	Suggested Assessment method	Vertical Integration Horizontal Integration	Year	Hours
OG 14.4	Describe and discuss the classification, diagnosis, management of Abnormal Labour	K	KH	Lecture, Small Group discussion	Written, viva voce,	_____	Ph-3	1 Hr



	<b>Learning Objectives derived</b>	Domain K/S/A/C	Level K/KH/ SH/P	Suggested Teaching Learning method	Suggested Assessment method	Vertical Integration  Horizontal Integration	Year	Hours
14.4.1	At the end of session, phase 3 students must be able to <b>describe Abnormalities in Partogram</b>	K	KH	Lecture, Small Group teaching	Written, viva voce,	_____	Ph-3	15 Min
14.4.2	At the end of session, phase 3 students must be able to <b>define Abnormal Labour</b>	K	KH	Lecture, Small Group teaching	Written, viva voce,	_____	Ph-3	15 Min
14.4.3	At the end of session, phase 3 students must be able to describe the <b>classification of Abnormal Labour</b>	K	KH	Lecture, Small Group teaching	Written, viva voce,	_____	Ph-3	15 Min
14.4.4	At the end of session, phase 3 students must be able to <b>describe management of Abnormal Labour</b>	K	KH	Lecture, Small Group teaching	Written, viva voce,	_____	Ph-3	15 Min

**Learning Objective of the Topic Number : OG 15.1**

**Topic – Operative Obstetrics**

Number	COMPETENCY The student should be able to:	Domain K/S/A/C	Level K/KH/SH/P	Suggested Teaching Learning method	Suggested Assessme nt method	Vertical Integration  Horizontal Integration	Year	Hours
OG 15.1	Enumerate and describe the indications and steps of common obstetric procedures, technique and complications: Episiotomy, vacuum extraction : low forceps, Caesarean section, assisted breech delivery; external cephalic version; cervical cerclage	K, S	KH	Lecture, Small Group teaching / symposiu m	Written, Viva voce	—	Ph -2  Ph-3	2Hrs  30 mts

	<b>Learning Objectives derived</b>	Domain K/S/A/C	Level K/KH/ SH/P	Suggested Teaching Learning method	Suggested Assessme nt method	Vertical Integration  Horizontal Integration	Year	Hours
15.1.1	At the end of session, phase 2, 3 students must be able to <b>enumerate the common obstetric procedures</b>	K	KH	Lecture, Small Group teaching / symposium	Written, Viva voce	—	Ph -2  Ph -3	20 min

15.1.2	At the end of session, phase 2, 3 students must be able to describe the <b>indications, technique and complications of episiotomy</b>	K	KH	Lecture, Small Group teaching / symposium	Written, Viva voce	_____	Ph -2 Ph -3	20 min
15.1.3	At the end of session, phase 2, 3 students must be able to describe the <b>indications, steps and complications of vacuum extraction</b>	K	KH	Lecture, Small Group teaching / symposium	Written, Viva voce	_____	Ph -2 Ph -3	20 min
15.1.4	At the end of session, phase 2, 3 students must be able to <b>describe the indications low forceps delivery steps, complications and comparison with VE</b>	K	KH	Lecture, Small Group teaching / symposium	Written, Viva voce	_____	Ph -2 Ph -3	20 min
15.1.5	At the end of session, phase 2, 3 students must be able to define caesarean section, describe the <b>indications, types, steps and complications of caesarean section</b>	K	KH	Lecture, Small Group teaching / symposium	Written, Viva voce	_____	Ph -2 Ph -3	20 min
15.1.6	At the end of session, phase 2, 3 students must be able to describe the <b>steps and complications of assisted breech delivery</b>	K	KH	Lecture, Small Group teaching / symposium	Written, Viva voce	_____	Ph -2 Ph -3	20 min
15.1.7	At the end of session, phase 2,3 students must be able to describe the <b>indication, procedure and complications of external</b>	K	KH	Lecture, Small Group teaching /	Written, Viva	_____	Ph -2 Ph -3	15 min

	<b>cephalic version</b>			symposium	voce			
15.1.8	At the end of session, phase 2,3 students must be able to describe the <b>indications, procedure and complications of cervical cerclage</b>	K	KH	Lecture, Small Group teaching / symposium	Written, Viva voce	—	Ph -2 Ph -3	15 min

**Learning Objective of the Topic Number : OG 15.2**

**Topic – Operative Obstetrics**

Number	COMPETENCY The student should be able to:	Domain K/S/A/C	Level K/KH/SH/P	Suggested Teaching Learning method	Suggested Assessment method	Vertical Integration Horizontal Integration	Year	Hours
OG 15.2	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	K,S	SH	DOAP Session, LR/ Skill lab	LOG BOOK	—	Ph-3	2 Hrs

	<b>Learning Objectives derived</b>	Domain K/S/A/C	Level K/KH/ SH/P	Suggested Teaching Learning method	Suggested Assessment method	Vertical Integration  Horizontal Integration	Year	Hours
15.2.1	At the end of session, phase 3 students must be able to assist an episiotomy	K,S	SH	DOAP Session, LR, Skill lab	LOG BOOK	_____	Ph -3	15 min
15.2.2	At the end of session, phase 3 students must be able to <b>demonstrate the correct suturing technique of an episiotomy in a simulated environment</b>	K,S	SH	DOAP Session, LR, Skill lab	LOG BOOK	_____	Ph -3	15 min
15.2.3	At the end of session, phase 3 students must be <b>able to observe / assist in caesarean section</b>	K,S	SH	DOAP Session, OT, Skill lab	LOG BOOK	_____	Ph -3	30 min
15.3.4	At the end of session, phase 3 students must be able to <b>observe /assist in forceps delivery</b>	K,S	SH	DOAP Session, LR, Skill lab	LOG BOOK	_____	Ph -3	15 min
15.3.5	At the end of session, phase 3 students must be able to <b>observe / assist in vacuum extraction</b>	K,S	SH	DOAP Session, LR, Skill lab	LOG BOOK	_____	Ph -3	15 min

15.3.6	At the end of session, phase 3 students must be able to <b>observe / assist in breech delivery</b>	K,S	SH	DOAP Session, LR, Skill lab	LOG BOOK	_____	Ph -3	30 min
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**. Learning Objective of the Topic Number : 16.1**

Number	COMPETENCY The student should be able to:	Domain K/S/A/C	Level K/KH/ SH/P	Suggested Teaching Learning method	Suggested Assessment method	Vertical Integration Horizontal Integration	Year	Hours
OG16.1	Enumerate and discuss causes, prevention, diagnosis, management, appropriate use of blood and blood products in postpartum haemorrhage	K	KH	Lecture, Small group discussion, Bedside clinics	Written/ skill assessment	Transfusion medicine	Phase 2 Phase 3	30MTS 2HRS

	<b>Learning Objectives derived</b>	Domain K/S/A/C	Level K/KH/ SH/P	Suggested Teaching Learning method	Suggested Assessment method	Vertical Integration  Horizontal Integration	Year	Hours
OG16.1	<b>At the end of the session phase 2</b>							
	<b>student should be able to</b>							
	1. Define PPH & discuss its contribution to maternal mortality	K	K,KH	Lecture,SGD	SEQ,OSCE  VivaVoce		Phase2	15mts
	2. Discuss prevention of PPH	K	K,KH	Lecture,SGD  Bedsideclinics	SEQ,OSCE  Vivavoce		Phase2	15mts
	<b>At the end of the session phase 3 part2 student ,should be able to</b>							
	1. Discuss the causes , risk factors and classification of PPH	K	K,KH	Lecture,SGD	SEQ,Vivavoce		Phase3	15mts
	2. Discuss the general measures in the management of PPH	K,S	K,KH,SH	Lecture,SGD,  Bedsideclinics  Skill lab,role	SEQ  Vivavoce		Phase3	15mts

	3. Discuss the medical management and mechanical methods of managing PPH	K,S	K,S,KH	play Lecture,SGD, Bedsideclinics skill lab	SEQ,Vivavoce OSCE		Phase3	30mts
	4. Discuss the surgical management of PPH Stepwise devascularisation, compression, IIA ligation, OH	K,S	K,KH,SH	Lecture,SGD skill lab,video	SEQ,viva		Phase3	30mts
	5. Discuss the use of blood and blood products in PPH						Phase3	30mts
	6. Enumerate & discuss the complications of PPH	K	K,KH	Lecture	SAQ,Vivavoce		Phase3	30mts
		K	K,KH	Lecture	SEQ,vivavoce	Transfusion medicine	Phase3	15mts



**Learning Objective of the Topic Number : 16.2**

Number	COMPETENCY The student should be able to:	Domain K/S/A/C	Level K/KH/ SH/P	Suggested Teaching Learning method	Suggested Assessment method	Vertical Integration Horizontal Integration	Year	Hours
OG16.2	Describe and discuss uterine inversion – causes, prevention, diagnosis and management	K	KH	Small group discussion, Bedside clinics	Written/ Viva voce		Phase 3	1

	<b>Learning Objectives derived</b>	Domain K/S/A/C	Level K/KH/ SH/P	Suggested Teaching Learning method	Suggested Assessment method	Vertical Integration Horizontal Integration	Year	Hours
OG 16.2	<b>At the end of phase 3 part 2 student should be able to</b> 1.discuss the types of uterine inversion	K	KH	Lecture	SAQ,vivavoce			
	2.causes of uterine inversion	K	KH	Lecture	OSCE		Phase3part2	30mts

	3. prevention of uterine inversion	K	KH	Lecture				
	4. discuss the diagnosis of uterine inversion							
	5. discuss the management of uterine inversion	K	KH	Lecture Skill lab				

**Learning Objective of the Topic Number : 16.3**

Number	COMPETENCY The student should be able to:	Domain K/S/A/C	Level K/KH/SH/P	Suggested Teaching Learning method	Suggested Assessment method	Vertical Integration Horizontal Integration	Year	Hours
OG 16.3	Describe and discuss causes,clinical features,diagnosis,investigations,monitoring of fetal well being,including ultrasound and fetal doppler,principles of management ,prevention and counselling in FGR	K/S	KH	Lecture,SGD bedside clinics				

	Learning Objectives derived	Domain K/S/A/C	Level K/KH/ SH/P	Suggested Teaching Learning method	Suggested Assessment method	Vertical Integration  Horizontal Integration	Year	Hours
Already discussed	<b>At the end of the session,phase2 student should be able to</b>							
OG.4.1	2. Define and differentiate FGR,SGA, LBW	K	KH	Bedside clinics	Clinical case discussion,OSCE		Phase2	15mts
	3.Should clinically demonstrate SFH	K/S	K/KH/S/S H					
	<b>At the end of phase3, part2</b>							
	1.Should be able to discuss the types,etiopathogenesis of FGR and investigations in FGR							
	2. Discuss the different methods to assess fetal well being in FGR	K	K/KH	Lecture, SGD	SAQ/OSCE/SEQ vivavoce			
	3.Should be able to discuss the clinical diagnosis of FGR							
	4.Interpret USS and Doppler findings in FGR						Phase3	1hr
	4.Discuss the complications of FGR and management of FGR	K	K/KH	Lecture,SGD,bedsid	SAQ,clinicalcase discussion,vivavoc e			

	5.discuss about prevention			e clinics			Phase3	30mts
	6. counsel a mother with FGR	K	K/KH	Bedside clinics, USS pictures	Clinical case discussion,SEQ		Phase3	30mts
		K	K,KH	Lecture,SGD Bedside clinics	SAQ vivavoce		Phase3	15mts
		K	K,KH	Lecture			Phase3	15mts
		K,S,A,C	K,KH,SH	Role play,DOAP				

**Learning Objective of the Topic Number : 17.1**

Number	COMPETENCY The student should be able to:	Domain K/S/A/C	Level K/KH/ SH/P	Suggested Teaching Learning method	Suggested Assessment method	Vertical Integration  Horizontal Integration	Year	Hours
OG17.1	Describe and discuss the physiology of lactation	K	K	Lecture,	Written/	PHYSIOLOGY	PHASE 2	1 HOUR

	<b>Learning Objectives derived</b>	Domain K/S/A/C	Level K/KH/ SH/P	Suggested Teaching Learning method	Suggested Assessment method	Vertical Integration  Horizontal Integration	Year	Hours
1	At the end of phase 2 student should be able to describe the physiology of lactation	K	K	Lecture	Written SEQ	Physiology	Phase2	
2	Discuss factors and drugs which can promote and inhibit lactation	K	KH	lecture	SAQ			

TOPIC NO. 17.2 – Counsel in a simulated environment care of breast, importance and the technique of breast feeding

17.2	Competency	Domain	level	T/Lmethod	Assessment method	Integration	year	Hours
	Counsel in a simulated environment , care of the breast, importance and the technique of breast feeding	K/S/A/C	KH/SH	Short lecture with PPT/VIDEO	SAQ/ Part of structured essay/ OSPE in a simulated environment/ VIVA	Vertical Physiology  Horizontal paediatrics	Phase 2	30 mts

Learning objective derived	Domain	level	Teaching/ learning method	assessment	Integration V/I	Year	hrs
<b>At the end of the session phase2 student should be able to</b>	K	KH	Lecture with PPT	viva		Py2	
<b>1.</b> Discuss the importance of examining the breast in antenatal woman to detect problems which can hinder breast feeding							
<b>2.</b> Enumerate and compare the constituents of breast milk with cow's milk ( other source ) and milk formulas	K	KH	Short lecture with PPT/symposium	SAQ Viva			
<b>3.</b> Enumerate the short, intermediate and long term benefits of breast feeding to the mother and neonate	K	KH	Short lecture	SAQ VIVA	Horizontal paediatrics	Py2	

4	Counsel the antenatal woman for breast examination and exclusive breast feeding	S/A/C	SH	Role play	Demonstrate in simulated environment		
5	Discuss the various principles of breast feeding initiatives and programmes and its implementation  <b>At the end of the session phase3 part2 student should be able to</b>	K	KH	short lecture/PPT/VIDEO	SAQ VIVA	Paediatrics And community medicine	Py2
6	Discuss management of problems like retracted nipple, cracked nipple	K	KH	Short PPT/video	SAQ/VIVA		Py3
7	Demonstrate the technique of breast feeding with regard to maternal posture, holding the child, latching, feeding frequency, duration, burping	K/S/A/C	KH/SH	Short video	OSPE in a simulated environment	Paediatrics	Py3
8	Discuss problems while initiating breast feeding Stress Insufficient milk Engorged breast	K	KH	Bed side clinic in postnatal ward	VIVA		PY3

**Learning Objective of the Topic Number : 17.3**

TOPIC 17.3 Describe and discuss the clinical features, diagnosis, and management of mastitis and breast abscess

No	competency	Domain	level	T/L method	Assessment method	integration	year	hours
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<b>1</b>	Describe and discuss the clinical features, diagnosis and management of mastitis and breast abscess	K/S/A/C	KH/ SH	Videos Clinical demo	VIVA Log book Mini-CEX	Surgery	PY3	20 Mts
<b>Learning objectives derived</b>								
<b>At the end of the session phase3 part2 students should be able to</b>				Small group discussion/			PY3	
<b>1a.</b>	Describe the clinical features of mastitis and breast abscess	K	KH	Demo in a simulated environment/ Bed side clinics	SAQ/VIVA	surgery		
<b>1b</b>	Enumerate similar conditions & ways to differentiate	K	KH	Small group discussion/ Demo/ Bed side clinics	SAQ/VIVA	surgery		
<b>1c</b>	Explain the management of mastitis	K	KH	Short lectures Bed side clinics	SAQ/viva	SURGERY		
<b>2a</b>	Elicit clinical signs of breast abscess	S/A/C	KH/SH	Video demo/ Observation in OT	viva	surgery		
<b>2b</b>	Describe management of breast abscess	K	KH	Video demo/ Observation in OT	viva	surgery		





	<p><b>At the end of the session,phase2 student should be able to</b></p> <p>1.define and differentiate term and preterm newborn</p> <p>2.discuss the different criteria to assess the gestational age of the newborn</p> <p><b>At the end of the session ,phase3 part2 student should be able to</b></p> <p>1.Discuss the clinical features and causes of birth asphyxia</p> <p>2. List and discuss the components of APGAR score</p> <p>3.Discuss the general examination of the newborn and the signs of birth asphyxia in the newborn</p> <p>4. discuss the principles and prerequisites of neonatal resuscitation</p> <p>5.list the steps of neonatal resuscitation</p>	<p>K</p> <p>K</p> <p>K</p> <p>K,S</p>	<p>KH</p> <p>KH</p> <p>KH</p> <p>KH/SH</p>	<p>Lecture,SGD</p> <p>Lecture,SGD</p> <p>Lecture,SGD Bedsideclinics</p> <p>Lecture,SGD Bedsideclinics</p>	<p>SAQ/VIVA</p> <p>SAQ/viva</p> <p>SAQ,Vivavoce,OSCE</p> <p>SAQ/viva</p>	<p>Pediatrics</p> <p>pediatrics</p>	<p>Phase 2</p> <p>Phase3</p>	<p>30mts</p> <p>30mts</p>
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2	<b>At the end of phase 3 part2</b> student should be able to  demonstrate the  steps of neonatal resuscitation	K/S	KH/SH	DOAP session  Skill lab  Video	OSPE	Pediatrics	Phase 3	1hr
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**Learning Objective of the Topic Number :18.3**

Number	COMPETENCY The student should be able to:	Domain K/S/A/C	Level K/KH/ SH/P	Suggested Teaching Learning method	Suggested Assessment method	Vertical Integration  Horizontal Integration	Year	Hours
OG18.3	Describe and discuss the diagnosis of birth asphyxia	KH Y		Lecture, Small group  discussion	Written/ Viva voce	Pediatrics		

	<b>Learning Objectives derived</b>	Domain K/S/A/C	Level K/KH/ SH/P	Suggested Teaching Learning method	Suggested Assessment method	Vertical Integration  Horizontal Integration	Year	Hours
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1	At the end of phase3a student should be able to describe birth asphyxia	K	K	Lecture/symposium	SAQ	Horizontal pediatrics	PY 3  Sem 8	30 min
2	At the end of phase3 a student should be able to discuss the causes of birth asphyxia	K	KH	Lecture/symposium	SAQ	Horizontal Pediatrics	Sem 8	30 min

**Learning Objective of the Topic Number : 18.4**

OG 18.4	COMPETENCY	Domain K/S/A/C	Level K/KH/ SH/P	Suggested Teaching Learning method	Suggested Assessment method	Vertical Integration  Horizontal Integration	Year	Hours
OG18.4	The student should be able to:  Describe the principles of resuscitation of the newborn and enumerate the common problems encountered	K	K/KH/SH	Lecture, Small group  discussion	Written/ Viva voce	Pediatrics	PY3	

Learning Objectives derived	Domain K/S/A/C	Level K/KH/ SH/P	Suggested Teaching Learning	Suggested Assessment method	Vertical Integration  Horizontal Integration	Year	Hours
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				method				
1	At the end of phase3 part2 a student should be able to describe the principles of neonatal resuscitation	K/S	K/KH	SGD DOAP Skill lab	Log book/SAQ	Pediatrics	Sem 9	30 min
2	At the end of phase3 part2 a student should be able to enumerate the common problems encountered during neonatal resuscitation	S	K/KH/SH	SGD/Skill lab	Log book/SAQ	Pediatrics	Sem 9	30 min

**Learning Objective of the Topic Number : 19.1**

Number	COMPETENCY The student should be able to:	Domain K/S/A/C	Level K/KH/SH/P	Suggested Teaching Learning method	Suggested Assessment method	Vertical Integration Horizontal Integration	Year	Hours
19.1	Describe and discuss the physiology of puerperium, its complications, diagnosis and management; counselling for contraception, puerperal sterilization	K	KH	lecture, symposium bed side clinic, SGD Video	SAQ, Structured essay OSCE	Vertical with Physiology	PY 2  PY 3	3 hours

	Learning Objectives derived	Domain K/S/A/C	Level K/KH/SH/P	Suggested Teaching	Suggested Assessment	Vertical Integration	Year	Hours
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			SH/P	Learning method	method	Horizontal Integration		
1	At the end of Phase 2 (Sem 3) Student should be able to describe and discuss the physiology of puerperium	K	KH	lecture, symposium	SAQ	Physiology (physiological changes in pregnancy and puerperium)	Phase 2	30 min
2	At the end of Phase 3 Part 2(sem 8) Student should be able to describe and discuss the complications of puerperium	K	KH	Bed side clinic Small group discussion	Mini C-Ex Osce with clinical cards		Phase 3 part 2 Internment	20 min
3	At the end of Sem 8 Student should be able to describe and discuss the diagnosis of puerperal complications including sepsis, UTI, Wound infection, DVT	K	KH	Bed side clinic Small group discussion	Mini C-Ex Osce with clinical cards		Phase 3 part 2 Internment	30 min
4	At the end of Phase 3part 2(Sem 8) Student should be able to describe and discuss the management of puerperal complication of sepsis, UTI,	K	KH	Bed side clinic Small group discussion	Mini C-Ex Osce with clinical cards		Phase 3part 2	30 min

	Wound infection, DVT							
5	At the end of Phase 3 part 2(8 <sup>th</sup> semester), the student should know how to  Counsel a postnatal patient regarding contraception, cafeteria approach	K	KH	Small group discussion role play	Log book		Phase 3part 2	10 min
5	At the end of Phase 3part 1 (6 <sup>th</sup> sem) student should be able to mention the indication for puerperal sterilisation	K	KH	Symposium	SAQ		Phase 3part 1	5 min
6	At the end of Phase 3 part 2 (6 <sup>th</sup> sem) student should be able to mention the methods for puerperal sterilisation	k	KH	Symposium	SAQ		Phase 3part 1	15 min



**Learning Objective of the Topic Number : 19.2**

Number	COMPETENCY The student should be able to:	Domain K/S/A/C	Level K/KH/SH/P	Suggested Teaching Learning method	Suggested Assessment method	Vertical Integration Horizontal Integration	Year	Hours
19.2	Counsel in a simulated environment, contraception and puerperal sterilisation	S	SH	DOAP	Skills lab		Phase 3part 1	1 hour

	<b>Learning Objectives derived</b>	Domain K/S/A/C	Level K/KH/SH/P	Suggested Teaching Learning method	Suggested Assessment method	Vertical Integration Horizontal Integration	Year	Hours
1	At the end of (Sem 6) Phase 3 part 2 Student should be able to counsel regarding contraception	S	SH	Skills kab	Log book		Phase 3part 1	30 min
2.	At the end of Phase 3part 1(Sem 6) Student should be able to counsel regarding permanent methods of female sterilisation	S	SH	Skills lab	Log Book		Phase 3part 1	30 min
3	At the end of Phase 3 part 2 9 <sup>th</sup> sem the IMG should be able to counsel a post natal patient in the ward	S	SH	DOAP				

regarding the methods of contraception and peuperal sterilisation								
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**Learning Objective of the Topic Number : 19.3**

Number	COMPETENCY The student should be able to:	Domain K/S/A/C	Level K/KH/SH/P	Suggested Teaching Learning method	Suggested Assessment method	Vertical Integration Horizontal Integration	Year	Hours
19.3	Observe/ assist in the performance of tubal ligation	k	KH	Symposium/DOAP Videos Demonstration in OT/Skills lab	OSCE/SAQ/Log Book		Phase 3part 1	1 hour 30 min

	Learning Objectives derived	Domain K/S/A/C	Level K/KH/SH/P	Suggested Teaching Learning method	Suggested Assessment method	Vertical Integration Horizontal Integration	Year	Hours
1	At the end of Phase 3part 1(Sem 6) Student should be able to enumerate the steps of tubal ligation by Pomroys method	K	KH	Small group discussion videoplay and /skills lab	SAQ/OSCE		Phase 3part 1	10min

2.	At the end of Phase 3part 1( Sem 6) Student should be able to enumerate different methods of tubal ligation	K	KH	Small group discussion videoplay and /Skills lab	OSCE/SAQ		Phase 3part 1	10min
3	At the end of Phase 3part 1( Sem 6) Student should be able to reproduce the steps of sterilization procedure and enumerate the intraoperative and post operative complications	K	KH	Small group discussion videoplay and /	SAQ		Phase 3part 1	10min
3	At the end of Phase 3part 1(6 <sup>th</sup> sem)the student should have observed atleast 5 cases of tubal ligation	S	SH	demonstration	Log book		Phase 3part 1	1 hour
4	At the end of CRRI,IMG should have assisted atleast 1 case of tubal ligation	S	SH	DOAP	Log Book		CRRI	

**Learning Objective of the Topic Number : 19.4**

COMPETENCY The student should be able	Domain	Level K/KH/	Suggested Teaching Learning	Suggested Assessment	Vertical	Year	Hours
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Number	to:	K/S/A/C	SH/P	method	method	Integration		
19.4	Enumerate the indications for, describe the steps in and insert and remove an intrauterine device in a simulated environment	k/S	KH/SH	Symposium/DOAP/ Skills Lab/Videos	SAQ,OSCE Log Book	Horizontal Integration	Phase three part 1	3 hours

	Learning Objectives derived	Domain K/S/A/C	Level K/KH/ SH/P	Suggested Teaching Learning method	Suggested Assessment method	Vertical Integration  Horizontal Integration	Year	Hours
1	At the end of Phase three part 1(Sem 6) Student should be able to enumerate indications for use of IUCD	K	KH	symposium	SAQ/OSCE/ VIVA		Phase three part 1	10min
2	At the end of Phase three part 1( Sem 6) Student should be able to recollect mechanism of action of IUCD	K	KH	symposium	SAQ/OSCE/ VIVA		Phase three part 1	10 min
3.	At the end of Phase three part 1( Sem 6) Student should be able to enumerate different types of IUCD	K	KH	symposium	OSCE/SAQ		Phase three part 1	10min

4	At the end of Phase three part 1( 6 <sup>th</sup> sem) the student should have observed atleast 5 cases of IUCD insertion	S	SH	demonstration	Log book		Phase three part 1	1 hour
5	At the end of Phase three part 1(6 <sup>th</sup> sem) the student should be able to enumerate and identify the complications of IUCD	K	KH	symposium	Osce/SAQ/ VIVA		Phase three part 1	10 min
6	At the end of Phase three part 1(6 <sup>th</sup> sem) the student should be able to clearly enumerate the management options available for each complication already mentioned	S	SH	symposium	OSCE/SAQ/viva		Phase three part 1	10 min
7	At the end of Phase three part 1(6 <sup>th</sup> sem) the student should be able to insert and remove IUCD from a model of uterus following the steps of insertion and removal and aseptic precautions	S	SH	DOAP	Skills lab		Phase three part 1	1 hour

**Learning Objective of the Topic Number : 20.1**

Number	COMPETENCY The student should be able to:	Domain K/S/A/C	Level K/KH/SH/P	Suggested Teaching Learning method	Suggested Assessment method	Vertical Integration Horizontal Integration	Year	Hours
20.1	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	k/S	KH/SH	Lecture ,bed side clinics,SGD	SAQ,OSCE Log Book VIVA		Phase three part 1	2 hours

	Learning Objectives derived	Domain K/S/A/C	Level K/KH/SH/P	Suggested Teaching Learning method	Suggested Assessment method	Vertical Integration Horizontal Integration	Year	Hours
1	At the end of Phase three part 1( Sem 6) Student should be able to understand the MTP act of 1971 and the provisions of the MTP act as when to do where to do Who can do	K	KH	symposium	SAQ/OSCE/ viva		Phase 3 part 1	10min

2	At the end of Phase three part 1(Sem 6) Student should be able to enumerate Indications of doing first trimester MTP and second trimester MTP	K	KH	symposium	SAQ/OSCE/ viva		Phase 3 part	10min
3	At the end of Phase three part 1(Sem 6) Student should be able to enumerate Precautions to be taken for doing first trimester MTP and second trimester MTP	K	KH	symposium	SAQ/OSCE Viva		Phase 3 part	10min
4	At the end of Phase three part 1(Sem 6) Student should be able to enumerate the different modalities of first trimester MTP and second trimester MTP	K	KH	symposium	SAQ/OSCE/ viva		Phase 3 part 1	10min
5	At the end of Phase three part 1(Sem 6) Student should be able to enumerate and diagnose the complications of first trimester MTP and second trimester MTP	K	KH	symposium	SAQ/OSCE/ viva		Phase three part 1	10 min
6	At the end of Sem 6 Student should be able to manage the complications of first trimester MTP and second trimester MTP	K	KH	Symposium	SAQ/OSCE/ VIVA		Phase three part 1	10 min
7	At the end of CRR1 the IMG should be able to counsel a patient on MTP with stress given to legality methods complications and follow up family	K/S	KH/SH	Skills lab	Log Book			1 hour

planning procedures								
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**Learning Objective of the Topic Number : 20.2**

Number	COMPETENCY The student should be able to:	Domain K/S/A/C	Level K/KH/SH/P	Suggested Teaching Learning method	Suggested Assessment method	Vertical Integration Horizontal Integration	Year	Hours
20.2	In a simulated environment administer informed consent to a person wishing to undergo Medical Termination of Pregnancy	k/S	KH/SH	DOAP Skills lab	Log Book		PY3	30 min
	<b>Learning Objectives derived</b>	Domain K/S/A/C	Level K/KH/SH/P	Suggested Teaching Learning method	Suggested Assessment method	Vertical Integration Horizontal Integration	Year	Hours
1	At the end of Phase 3 part 2 (Sem 9) and CRRRI program the IMG should be able to make a patient write detailed informed consent for medical termination of pregnancy	K/S	KH/SH	Symposium Skills lab	Log Book		PY 3 part 2	30min



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**Learning Objective of the Topic Number : 20.3**

Number	COMPETENCY The student should be able to:	Domain K/S/A/C	Level K/KH/SH/P	Suggested Teaching Learning method	Suggested Assessment method	Vertical Integration Horizontal Integration	Year	Hours
20.3	Discuss Pre-conception and Pre Natal Diagnostic Techniques (PC&PNDT) Act 1994 & its amendments	k/S	KH/SH	Symposium Lecture	Osce/SAQ	Forensic medicine	Phase three part 1	1 hour

	Learning Objectives derived	Domain K/S/A/C	Level K/KH/SH/P	Suggested Teaching Learning method	Suggested Assessment method	Vertical Integration Horizontal Integration	Year	Hours
1	At the end of Phase three part 1(6 th sem) student should be able to define pre conception counselling	K	KH/	OSCE SAQ		Phase three part 1	5 min	
	At the end of Phase three part 1(6 th sem) student should be able to discuss prenatal diagnostics techniques its interpretation and basic	K	KH	Symposium	OSCE SAQ		Phase three part 1	30min

	management							
	At the end of Phase three part 1(6 th sem) student should be able to List the provisions of PNDT act and its ammendements	K	KH	symposium	OSCE/SAQ		Phase three part 1	30 min

**Learning Objective of the Topic Number : 21.1**

Number	COMPETENCY The student should be able to:	Domain K/S/A/C	Level K/KH/SH/P	Suggested Teaching Learning method	Suggested Assessment method	Vertical Integration Horizontal Integration	Year	Hours
Og 21.1	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	K	KH	Lecture, Small group discussion, Bedside clinics	Written/Viva voce/ Skill assessment	Community Medicine	PY3 Part1	5 HOURS

	<b>Learning Objectives derived</b>	Domain K/S/A/C	Level K/KH/ SH/P	Suggested Teaching Learning method	Suggested Assessment method	Vertical Integration  Horizontal Integration	Year	Hours
1	At the end of session phase3part1student should be able to describe and define temporary,permanent and emergency contraception; indications for each and selection of patient for each category.	K	KH	Lecture  Symposium	Viva voce		Semester 6	15mts
2	At the end of phase3part1 student should be able to briefly discuss about natural family planning methods	K	KH	Symposium	SAQ		Semester 6	15mts
3	At end of session phase3part1student should be able to discuss about barrier contraceptives in male and female with side effects, complications and non contraceptive benefits.	K	KH	Lecture / symposium	Written		Semester 6	30 mts
4	At the end of session phase3part1student should be able to discuss about IUCD with use, side effect and complication. Also its role in emergency	K	KH	Lecture, symposium	Written		Semester 6	30 mts

	contraception.							
5	At the end of the session phase3part1 student should be able to discuss about oral contraceptive pills with use, side effects and complications and non contraceptive benefits	K	KH	Lecture/symposium	Written		Semester 6	1 hour
6	At the end of the session phase3part1students should be able to discuss about non oral hormonal contraceptives with side effects and complications	K	KH	Lecture/symposium	Written		Semester 6	1 hour
7	At the end of the session, phase3part1 student should be able to discuss about permanent methods of male and female sterilisation, with side effects complications and failure rates	K	KH	Lecture	Written / viva voce		Semester 6	1 hour
8	At the end of phase3part1 the student should be able to discuss about emergency contraception, indications , patient selection and various methods available	K	KH	Lecture/symposium	SAQ		Semester 6	30mts
9	At the end of the session phase3part1 students should be able to counsel the patient	K	KH	Bedside clinics/ OPD	Viva voce		Semester 8	15 mts

regarding the cafeteria approach towards contraception and help her reach the best choice								
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**Learning Objective of the Topic Number : 21.2**

Number	COMPETENCY The student should be able to:	Domain K/S/A/C	Level K/KH/SH/P	Suggested Teaching Learning method	Suggested Assessment method	Vertical Integration Horizontal Integration	Year	Hours
OG 21.2	Describe and discuss PPIUCD programme	K	K/KH	Lecture, small group discussion	Written / Viva voce		PY3 part1	1hour
	<b>Learning Objectives derived</b>	Domain K/S/A/C	Level K/KH/SH/P	Suggested Teaching Learning method	Suggested Assessment method	Vertical Integration Horizontal Integration	Year	Hours
1	At the end of the session phase3part1students should be able to describe and discuss about the social benefits of implementing PPIUCD /PAIUCD programme.	K	KH	Lecture	Written		Semester 6	15 Mts
2	At the end of the session phase3part1 students should be able to discuss the PPIUCD/PAIUCD	K	KH	Lecture/ symposium	Written		Semester 6	45 mts

	insertion, side effects and complications							
3	At the end of phase3part1the student should have seen at least 5 cases of PPIUCD/PAIUCD insertion.	K	KH	Bedside clinics			Semester 8	

**Learning Objective of the Topic: 22.1**

**Topic : Vaginal discharge**

**Learning Objective of the Topic: Vaginal discharge22,1**

Number	COMPETENCY The student should be able to:	Domain K/S/A/C	Level K/KH/SH/P	Suggested Teaching Learning method	Suggested Assessment method	Vertical Integration Horizontal Integration	Year	Hours
OG 22.1	Describe the clinical characteristics of physiological vaginal discharge	K	KH	Lecture	Theory	H1-M	PHASE -2	15 minutes

	<b>Learning Objectives derived</b>	Domain K/S/A/C	Level K/KH/SH/P	Suggested Teaching Learning method	Suggested Assessment method	Vertical Integration Horizontal Integration	Year	Hours
1	At the end of session, phase II student will be able to describe the clinical features ,constituents and characteristics of physiological vaginal discharge.  At the end of session, phase II student will	K	KH	Lecture small group discussion	Written/Viva voce	HI-M	PHASE -2	15 minutes

be able to describe the clinical characteristics of normal bacterial flora							
At the end of session, phase II student will be able to describe the changes of vaginal discharge during menstrual cycle and its clinical significance (Fern test)							

Number	COMPETENCY The student should be able to:	Domain K/S/A/C	Level K/KH/SH/P	Suggested Teaching Learning method	Suggested Assessment method	Vertical Integration Horizontal Integration	Year	Hours
OG 22.2	Describe and discuss the etiology (with special emphasis on Candida, T. vaginalis, bacterial vaginosis), characteristics, clinical diagnosis, investigations, genital hygiene, management of common causes and the syndromic management	K	KH	Lecture small group discussion	Written/Viva voce	HI-M	Phase-2	2 hr

	Learning Objectives derived	Domain K/S/A/C	Level K/KH/SH/P	Suggested Teaching Learning method	Suggested Assessment method	Vertical Integration Horizontal Integration	Year	Hours
	At the end of session, phase II student	K	KH	Lecture small	Written/Viva	HI-M	PHASE-	

22.2.1	will be able to describe the clinical characteristics			group discussion	voce		2	15 min
22.2.2	At the end of session, phase II student will be able to describe the etiological characteristics for different pathological vaginal discharge	KH	KH	Lecture small group discussion	Written/Viva voce	HI-M	PHASE-2	15 min
22.2.3	At the end of session, phase II student will be able to describe the clinical characteristics and presentation of Candida vaginalis	KH	KH	Lecture small group discussion	Written/Viva voce	HI-M	PHASE-2	15 min
22.2.4	At the end of session, phase II student will be able to describe the clinical characteristics and presentation of Bacterial vaginosis	KH	KH	Lecture small group discussion	Written/Viva voce	HI-M	PHASE-2	15 MIN
22.2.5	At the end of session, phase II student will be able to describe the clinical characteristics and presentation of Trichomonas vaginalis	KH	KH	Lecture small group discussion	Written/Viva voce	HI-M	PHASE-2	15 MIN
22.2.6	At the end of session, phase II student will be able to describe the investigations in diagnosing Candida vaginalis, Bacterial vaginosis, Trichomonas vaginalis	KH	KH	Lecture small group discussion	Written/Viva voce	HI-M	PHASE-2	15 MIN
22.2.7	At the end of session, phase II student will be able to describe and steps to maintain genital hygiene	KH	KH	Lecture small group discussion	Written/Viva voce	HI-M	PHASE-2	15 MIN



22.2.8	At the end of session, phase II student will be able to counsel regarding the importance of genital hygiene.	KH	KH	Lecture small group discussion	Written/Viva voce	HI-M	PHASE-2	15 MIN
22.2.9	At the end of session, phase II student will be able to describe the clinical characteristics and management of Syndromic approach	KH	KH	Lecture small group discussion	Written/Viva voce	HI-M	PHASE-3 Part-1	15 MIN
22.2.10	At the end of session, phase II student will be able to describe the need to counsel and emphasise on treating the partner in the syndromic approach.	KH	KH	Lecture small group discussion	Written/Viva voce	HI-M	PHASE-3-Part-1	15 MIN

**Learning Objective of the Topic : 23.1 Normal & Abnormal Puberty**

Number	COMPETENCY The student should be able to:	Domain K/S/A/C	Level K/KH/SH/P	Suggested Teaching Learning method	Suggested Assessment method	Vertical Integration Horizontal Integration	Year	Hours
OG 23.1	Describe and discuss the physiology of puberty, features of abnormal puberty, common problems and their management	K	KH	Lecture	Theory	H1-M	PHASE -2	1 Hour

	Learning Objectives derived	Domain K/S/A/C	Level K/KH/SH/P	Suggested Teaching Learning method	Suggested Assessment method	Vertical Integration Horizontal Integration	Year	Hours
1	At the end of session, Phase 2 student Should be able to describe the changes occurring during the transition period in puberty.	K	KH	Integrated Lecture ,symposium	Written/Viva voce	HI-M	PHASE -2	15 minutes

2	At the end of session, Phase 2 student Should be able to describe the physiology of puberty and discuss regarding normal stages of puberty	K	KH	Integrated Lecture ,symposium	Written/Viva voce	HI-M	PHASE -2	15 minutes
3	At the end of session, Phase 2 student Should be able to describe the clinical features of abnormal puberty	K	KH	Integrated Lecture ,symposium	Written/Viva voce	HI- Paediatrics	PHASE -2	15 minutes
3	At the end of session, Phase 2 student Should be able to describe and explain the common problems associated with abnormal puberty	K	KH	Lecture small group discussion	Written/Viva voce	HI-M HI-Paeds	PHASE -2	15 minutes
4	At the end of session, Phase 2 student Should be able to describe and explain in detail the management of abnormal puberty	K	KH	Lecture small group discussion	Written/Viva voce	HI-M HI- Paediatrics	PHASE -2	15 minutes
5	At the end of session, Phase 2 student Should be able to emphasise on the presentation, counselling and management of abnormal puberty	K	KH	Lecture small group discussion	Written/Viva voce	HI-M HI- Paediatrics	PHASE -2	15 minutes

**Learning Objective of the Topic : 23.2**

**Normal and abnormal Puberty**

Number	COMPETENCY The student should be able to:	Domain K/S/A/C	Level K/KH/SH/P	Suggested Teaching Learning method	Suggested Assessment method	Vertical Integration Horizontal Integration	Year	Hours
OG 23.2	Enumerate the causes of delayed puberty. Describe the investigation and management of common causes	K	KH	Lecture	Theory	H1-M	PHASE -2	1Hours

	<b>Learning Objectives derived</b>	Domain K/S/A/C	Level K/KH/SH/P	Suggested Teaching Learning method	Suggested Assessment method	Vertical Integration Horizontal Integration	Year	Hours
1	At the end of session, Phase 2 student Should be able to recall the causes of delayed puberty	K	KH	Lecture small group discussion	Written/Viva voce	HI-M HI-PAEDIATRICS	PHASE -2	20 minutes
2	At the end of session, Phase 2 student Should be able to describe the steps in the investigation of delayed puberty	K	KH	Lecture small group discussion	Written/Viva voce	HI-M HI-PAEDIATRICS	PHASE -2	20 minutes
3	At the end of session, Phase 2 student Should be able to describe and explain the management of common problems associated with delayed puberty	K	KH	Lecture small group discussion	Written/Viva voce	HI-M HI-PAEDS	PHASE -2	20 minutes

**Learning Objective of the Topic: 23.3**

**Normal and abnormal Puberty**

Number	COMPETENCY The student should be able to:	Domain K/S/A/C	Level K/KH/SH/P	Suggested Teaching Learning method	Suggested Assessment method	Vertical Integration Horizontal Integration	Year	Hours
OG 23.3	Enumerate the causes of precocious puberty	K	KH	Lecture	Theory	H1-M HI-Paeds	PHASE -2	15 minutes

	<b>Learning Objectives derived</b>	Domain K/S/A/C	Level K/KH/SH/P	Suggested Teaching Learning method	Suggested Assessment method	Vertical Integration Horizontal Integration	Year	Hours
1	At the end of session, Phase 2 student Should be able to define precocious puberty and the age at which it is defined to be precocious puberty	K	KH	Lecture ,Bedside clinics small group discussion	Written/Viva voce	HI-M, HI-Paeds	PHASE -2	15 minutes
2	At the end of session, Phase 2 student Should be able to enumerate the causes of precocious puberty	K	KH	Lecture small group discussion, Bedside clinics	Written/Viva voce	HI-M HI-Paeds	PHASE -2	15 minutes
3	At the end of session, Phase 2 student Should be able to enumerate the investigations and evaluation of precocious puberty	K	KH	Lecture small group discussion Bedside clinics	Written/Viva voce	HI-M HI-Paeds	PHASE -2	15 minutes
4	At the end of session, Phase 2 student Should be able to enumerate the treatment of precocious puberty	K	KH	Lecture	Written/Viva voce	HI-M HI-Paeds	PHASE -2	15 minutes

**Learning Objective of the Topic Number : 24.1**

Number	COMPETENCY The student should be able to:	Domain K/S/A/C	Level K/KH/ SH/P	Suggested Teaching Learning method	Suggested Assessment method	Vertical Integration  Horizontal Integration	Year	Hours
OG24.1	Define.classify and discuss abnormal uterine bleeding.its aetiology.clinical features.investigations.diagnosis and management	K	KH	Lecture.sm allgroup teaching		N	Py2  Py 3	3

	<b>Learning Objectives derived</b>	Domain K/S/A/C	Level K/KH/ SH/P	Suggested Teaching Learning method	Suggested Assessment method	Vertical Integration  Horizontal Integration	Year	Hours
1	At the end of the session phase2 students should be able to define,classify including PALM COEIN classificationand discuss abnormal uterine bleeding.aetiology,clinical features correctly.	K	KH	Lecture  Bedside clinics	Structured essay,short notes	N	Phase 2	1

2	At the end of the session phase3 part 2 students should be able to enlist the appropriate investigations and describe the management of AUB in appropriate age groups correctly.	K	KH	Lecture	Structured essay,short notes	N	Phase 3	1
3	At the end of the session phase 3 part 2 students should be able to diagnose a case of AUB and formulate a plan for investigating and managing the case	K	KH,SH	Bedside clinics	Vivavoce	N	Phase 3	1

**Learning Objective of the Topic Number : 25.1**

Number	COMPETENCY The student should be able to:	Domain K/S/A/C	Level K/KH/SH/P	Suggested Teaching Learning method	Suggested Assessment method	Vertical Integration Horizontal Integration	Year	Hours
25.1	Describe and discuss the causes of primary and secondary amenorrhea, its investigation and the principles of management	k	kh	Lecture, Small group teaching	Written/ Viva voce		Py3	4

	<b>Learning Objectives derived</b>	Domain K/S/A/C	Level K/KH/ SH/P	Suggested Teaching Learning method	Suggested Assessment method	Vertical Integration  Horizontal Integration	Year	Hours
1	At the end of session, phase 3 part 1 students will be able to Describe and discuss the causes of primary and secondary amenorrhea with compartmental classification	K	KH	Lecture	Written/ Viva  voce		phase 3 part 1	1
2	At the end of session, phase 3 part 1 students will be able to Use a systematic approach to investigate and diagnose a complaint of primary amenorrhoea	K	KH	Lecture,  Small group teaching	Written/ Viva  voce		phase 3 part 1	1

3	At the end of session, phase 3 part 1 students will be able to describe the management of a case of primary amenorrhoea	K	KH	Lecture, Small group teaching	Written/ Viva voce		phase 3 part 1	30
4	At the end of session, phase 3 part 2 students will be able to Use a systematic approach to investigate and diagnose a complaint of secondaryamenorrhoea	K	KH	Small group teaching	Viva voce		phase 3 part 1	1
5	At the end of session, phase 3 part 2 students will be able to manage a case of secondary amenorrhoea	K	KH	Lecture, Small group teaching	Written/ Viva voce		phase 3 part 1	30



**Learning Objective of the Topic Number :26.1**

Number	COMPETENCY The student should be able to:	Domain K/S/A/C	Level K/KH/SH/P	Suggested Teaching Learning method	Suggested Assessment method	Vertical Integration Horizontal Integration	Year	Hours
26.1	Describe and discuss the etiopathogenesis, clinical features; investigation and implications on health and fertility and management of endometriosis and adenomyosis	K/S	KH	Lecture, Small group teaching	Written/ Viva voce		Py3	1

	<b>Learning Objectives derived</b>	Domain K/S/A/C	Level K/KH/SH/P	Suggested Teaching Learning method	Suggested Assessment method	Vertical Integration Horizontal Integration	Year	Hours
1	At the end of session, phase 3 part 1 students	k/s	KH	Lecture, Video	Written/ Viva voce		phase 3 part 1	15 min

	will be able to define and describe clinical presentation of endometriosis and adeno			Small group teaching				
2	At the end of session, phase 3 part 1 students will be able to describe etiopathogenesis of endometriosis and adenomyosis	k/S	KH	Lecture, Video Small group teaching	Written/ Viva voce		phase 3 part 1	15 min
3	At the end of session, phase 3 part 2 students will be able to describe investigation and management options of endometriosis and adenomyosis	k/s	KH	Lecture, Small group teaching	Written/ Viva voce		phase 3 part 1	30min

**Learning Objective of the Topic Number :26.2**

Number	COMPETENCY The student should be able to:	Domain K/S/A/C	Level K/KH/SH/P	Suggested Teaching Learning method	Suggested Assessment method	Vertical Integration Horizontal Integration	Year	Hours
26.2	Describe the causes, prevention, clinical features, principles of management of genital injuries and fistulae	K	KH	Lecture, Small group teaching	Written/ Viva voce	SURGERY	PY3	1

	<b>Learning Objectives derived</b>	Domain K/S/A/C	Level K/KH/SH/P	Suggested Teaching Learning method	Suggested Assessment method	Vertical Integration Horizontal Integration	Year	Hours
	A) At the end of session, Phase 3 part 2 students Must be able to describe Causes , Clinical presentation and	K	KH	Lecture, Small group teaching	Written/ Viva voce		phase 3 part 2	1

1	Preventive aspects for vesicovaginalfistula							
2	RVF	K	KH	Lecture, Small group teaching	Written/ Viva voce		phase 3 part 2	1
3	Old perineal tear	K	KH	Lecture, Small group teaching	SAQ/ Viva voce		phase 3 part 2	1
4	Ureteric fistula	K	KH	Lecture, Small group teaching	SAQ/ Viva voce		phase 3 part 2	1
5	Anatomy of ureter – sites of injury	K	KH	Lecture, Small group teaching	SAQ/ Viva voce		phase 3 part 2	1

**Learning Objective of the Topic Number : 27.1**

Number	COMPETENCY The student should be able to:	Domain K/S/A/C	Level K/KH/SH/P	Suggested Teaching Learning method	Suggested Assessment method	Vertical Integration Horizontal Integration	Year	Hours
27.1	Describe and discuss the etiology, pathology, clinical features, differential diagnosis, investigations, management and long term implications of sexually transmitted infections	k	KH	Lecture, Small group teaching	Written/ Viva voce	MICROBIOLOGY	PY3	1

	<b>Learning Objectives derived</b>	Domain K/S/A/C	Level K/KH/SH/P	Suggested Teaching Learning method	Suggested Assessment method	Vertical Integration Horizontal Integration	Year	Hours
1	At the end of session, phase 3 part 2 students must be able to take a	K	KH	Bedside clinic	Viva voce		phase 3 part 2	15MIN

	sexual history without causing embarrassment and in non-judgmental way.							
2	At the end of session, phase 3 part 2 students should be aware syndromic Approach to STI with Kits which include Abnormal Vulvovaginal Symptoms, Pelvic Pain, Male Urethral Discharge: Dysuria Orchitis, Genital Lumps, Genital Ulceration.	K	KH	Lecture, Small group teaching STI visit	Written/ Viva voce	MICROBIOLOGY  Dermatology	phase 3 part 2	15MIN

3	At the end of session, phase 3 part 2 students must be able to describe and discuss the etiology, pathology, clinical features,differential diagnosis of various STIs	K	KH	Lecture,	Written/ Viva voce		phase 3 part 2	15MIN
4	At the end of session, phase 3 part 2 students must be able to suggest investigations, management for common STIs like syphilis,chlamydia,gonor rhea,herpes,LGV,chancr oid, Bactvaginosis Candidiasis	K	KH	Small group Teaching	Written/ Viva voce	MICROBIOLOGY	phase 3 part 2	15MIN

**Learning Objective of the Topic Number :27.2**

Number	COMPETENCY The student should be able to:	Domain K/S/A/C	Level K/KH/SH/P	Suggested Teaching Learning method	Suggested Assessment method	Vertical Integration Horizontal Integration	Year	Hours
27.2	Describe and discuss the etiology, pathology, clinical features, differential diagnosis, investigations, management and long term implications of genital tuberculosis	K	KH	Lecture,  Small group discussion	Written/ Viv  voce	Pathology/pulmonology/medicine	PY3	1



	<b>Learning Objectives derived</b>	Domain K/S/A/C	Level K/KH/ SH/P	Suggested Teaching Learning method	Suggested Assessment method	Vertical Integration  Horizontal Integration	Year	Hours
1	At the end of session, phase 3 part 2 students must be able to describe and discuss the Incidence, etiology, pathology, clinical features, Mode of spread, differential diagnosis of genital TB	K	KH	Lecture, Small group teaching	Written/ Viv voce	pathology	phase 3 part 2	30 min
2	At the end of session, phase 3 part 2 students must be able to describe and discuss the investigations, management and long term implications of genital	K	KH	Lecture, Small group teaching	Written/ Viv voce	pulmonology/medicine	phase 3 part 2	30 min

tuberculosis including RNTCP								
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**Learning Objective of the Topic Number :**

Number	COMPETENCY The student should be able to:	Domain K/S/A/C	Level K/KH/SH/P	Suggested Teaching Learning method	Suggested Assessment method	Vertical Integration Horizontal Integration	Year	Hours
27.3	Describe and discuss the etiology, pathology, clinical features, differential diagnosis, investigations, management and long term implications of HIV	K	KH	Lecture, Small group discussion	Written/ Viva voce	General medicine	Py3	1

	<b>Learning Objectives derived</b>	Domain K/S/A/C	Level K/KH/ SH/P	Suggested Teaching Learning method	Suggested Assessment method	Vertical Integration  Horizontal Integration	Year	Hours
1	At the end of session, phase 3 part 2 students must be able to Describe and discuss the etiology, pathology, clinical features,differential diagnosis, investigations, management and longtermimplications of HIV	K	KH	Lecture,  Small group teaching	Written/ Viva  voce	General medicine   Microbiology	phase 3 part 2	30 min
2	At the end of session, phase 3 part 2 students must be able to Counsel regarding prevention of	K/A/C	KH	Small group teaching	Viva  voce	General medicine	phase 3 part 2	5 min

	spreading of HIV respecting their confidentiality and dignity							
3	At the end of session, phase 3 part 2 students must be able to discuss the Precautions to prevent occupational transmission of HIV and PEP	K	KH	Lecture, Small group discussion	Written/ Viva voce	General medicine	phase 3 part 2	10 min
4	At the end of session, phase 3 part 2 students must be able to enlist Gynecological symptomatology in HIV patients	K	KH	Lecture, Small group discussion	Written/ Viva voce	General medicine	phase 3 part 2	10 min

**Learning Objective of the Topic Number :27.4**

Number	COMPETENCY The student should be able to:	Domain K/S/A/C	Level K/KH/SH/P	Suggested Teaching Learning method	Suggested Assessment method	Vertical Integration Horizontal Integration	Year	Hours
27.4	Describe and discuss the etiology, pathology, clinical features, differential diagnosis, investigations, management and long term implications of Pelvic Inflammatory Disease	K	KH	Lecture, Small group teaching	Written/ Viva voce		PY3	1

	<b>Learning Objectives derived</b>	<b>Domain K/S/A/C</b>	<b>Level K/KH/ SH/P</b>	<b>Suggested Teaching Learning method</b>	<b>Suggested Assessment method</b>	<b>Vertical Integration  Horizontal Integration</b>	<b>Year</b>	<b>Hours</b>
1	At the end of session, phase 3 part 2 students must be able to describe and discuss definition, Risk factors, Protective actors, Microbiology, Mode of infection, Pathology, clinical features, Signs, Clinical diagnostic criteria of PID diagnosis, differential diagnosis, complications and treatment of acute and chronic PID	K	KH	Lecture	Written/ Viva  voce		phase 3 part 2	45 min
2	At the end of session,	K	KH		Written/		phase 3	15

phase 3 part 2 students must be able to evaluate a patient with acute abdomen and write a management plan keeping infectious and noninfectious causes				Bed side clinic OP Simulated	Viva voce		part 2	min
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**Learning Objective of the Topic Number : OG 28 .1 Topic -Infertility**

Number	COMPETENCY The student should be able to:	Domain K/S/A/C	Level K/KH/ SH/P	Suggested Teaching Learning method	Suggested Assessment method	Vertical Integration Horizontal Integration	Year	Hours	Core
OG 28.1	Describe and discuss the common causes, pathogenesis, clinical features, differential diagnosis, investigations:, principles of management of infertility- methods of tubal patency, ovulation induction, assisted reproductive techniques.	K	KH	Lecture, seminars, bedside clinics	Written Viva voce		Phase 3	3hr	

	<b>Learning Objectives derived</b>	Domain K/S/A/C	Level K/KH /SH/P	Suggested Teaching Learning method	Suggested Assessment method	Vertical Integratio n Horizontal Integratio n	Year	Hours	Core (y/N)
28.1.1	At the end of session Phase 2 students should be able to describe oogenesis, Spermatogenesis & physiology of fertilisation	K	KH	Lecture SGD	Written /Viva voce	Physiology	Phase 2	30min	Y
28.1.2	At the end of session Phase 2 and phase 3 Part 1 students should be able to enumerate the etiological factors of female infertility such as ovulatory factor, tubal factors, uterine factors cervical factor, peritoneal & others	K	KH	Lecture SGD	Written /Viva Voce		Phase 2 & Phase 3 ,part 1	30min	Y
28.1.3	At the end of session Phase 3 students should be able to enumerate the etiological factors of male infertility such as pretesticular, testicular & post testicular.	K	KH	Lecture SGD	Written viva voce /short note		Phase 3	15 min	Y
28.1.4	At the end of session Phase 3 Part 2 students should be able to elicit a detailed history from both male & female partners & discuss the relevant investigations required for the couple	K/S	KH	Bedside clinics Lecture SGD	Written Viva Practical		Phase 3,Part 2	45min	Y
28.1.5	At the end of session Phase 3 Part 2 students should be able to discuss the WHO criteria of semen analysis &	K	KH	Lecture SGD	Written	Clinical pathology Lab	Phase 3 Part 2	30min	Y



	indications with methodology of IUI					IUI Lab			
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**Learning Objective of the Topic Number : OG 28. 2**

Number	COMPETENCY The student should be able to:	Domain K/S/A/C	Level K/KH/ SH/P	Suggested Teaching Learning method	Suggested Assessment method	Vertical Integration Horizontal Integration	Year	Hours	
OG 28.2	Enumerate the assessment and restoration of tubal patency	K	KH	Lecture, seminars, bedside clinics	Written Viva		Phase 3	1 hr	

	<b>Learning Objectives derived</b>	Domain K/S/A/ C	Level K/KH / SH/P	Suggested Teaching Learning method	Suggested Assessment method	Vertical Integration Horizontal Integration	Year	Hours	Core (y/N)
28.2.1	At the end of session Phase 3 Part 1 students should be able to enumerate the tubal causes for infertility.	K	KH	Lecture SGD Visit to RD	Written /Viva/ OSCE	RD	Phase 3 Part 1	15min	Y
28.2.2	Phase 3 Part 1 and 2 describe the different modalities of assessment of tubal patency	K	KH	Small group teaching	SGD written	RD	Phase 3	15 min	Y
28.2.3	At the end of session Phase part 2 students should be able to describe the different methods of	K	KH	Lecture Small group	Written SAQ		Phase 3 Part 2	30min	Y

	reversal & restoration of tubal patency			teaching symposium					
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**Learning Objective of the Topic Number : OG 28.3**

Number	COMPETENCY The student should be able to:	Domain K/S/A/C	Level K/KH/ SH/P	Suggested Teaching Learning method	Suggested Assessment method	Vertical Integration Horizontal Integration	Year	Hours	
OG 28.3	Describe the principles of ovulation induction	K	KH	Lecture, seminars, bedside clinics	Written Viva		Phase 3	2hr	

	<b>Learning Objectives derived</b>	Domain K/S/A/C	Level K/KH / SH/P	Suggested Teaching Learning method	Suggested Assessment method	Vertical Integration Horizontal Integration	Year	Hours	Core (y/N)
28.3.1	At the end of session Phase 2 students should be able to describe the physiology of ovulation, signs & symptoms of ovulation	K	KH	Lecture small group teaching	Written	Physiology	Phase 2	1/2 hr	
28.3.2	At the end of session Phase 2 and phase 3 students should be able to enumerate the tests for ovulation.	K	KH	Lecture small group teaching	Written Viva/Practical	Horizontal RD (follicular study)	Phase 2 and phase 3	15min	
28.3.3	At the end of session Phase 3 , Part 1 & 2 students should be able to enumerate the various	K	KH	Lecture small group	Written		Phase 3	1/4 hr	

	tests for ovarian reserve.			teaching					
28.3.4	At the end of session Phase 3 Part 2 students will be able to enumerate the different modalities for OI -pros and cons of each method including OHSS	K	KH	Lecture small group teaching	Written OSCE		Phase 3 Part 2	1 hr	

**Learning Objective of the Topic Number : OG 28 .4**

Number	COMPETENCY The student should be able to:	Domain K/S/A/C	Level K/KH/ SH/P	Suggested Teaching Learning method	Suggested Assessment method	Vertical Integration Horizontal Integration	Year	Hours	
OG 28.4	Enumerate the various Assisted Reproduction Techniques	K	KH	Lecture,seminars, bedside clinics	Written/ Viva		Phase 3	1hr	

	<b>Learning Objectives derived</b>			Domain K/S/A/C	Level K/KH / SH/P	Suggested Teaching Learning method	Suggested Assessment method	Vertical Integration Horizontal Integration	Year	Hours	Core (y/N)
28.4.1	At the end of session Phase 3 Part 2 students should be able to define ART and the indications for the same.			K	KH	Lecture small group teaching	written		Phase 3 Part 2	15min	Y
28.4.2	K	K	Lecture Video demonstration	Written		Phase 3 part 2	1/2 hr				

**Learning Objective of the Topic Number : OG 29 .1 Topic - Uterine Fibroids**

Number	COMPETENCY The student should be able to:	Domain K/S/A/C	Level K/KH/SH/P	Suggested Teaching Learning method	Suggested Assessment method	Vertical Integration Horizontal Integration	Year	Hours	
OG 29.1	Describe and discuss the common etiology, pathology, Clinical features, differential diagnosis, Investigations, principles of management, complications of fibroid uterus	K/A/C	KH	Lecture, seminars, bedside clinics	Theory/OSCE/Clinical assessment/Viva Voce		Phase 2 & Phase 3	2hr	

	Learning Objectives derived	Domain K/S/A/C	Level K/KH / SH/P	Suggested Teaching Learning method	Suggested Assessment method	Vertical Integration Horizontal Integration	Year	Hours	Core (y/N)
29.1.1	At the end of session Phase 2 students should be able to discuss the etiopathogenesis and risk factors of fibroids	K	KH	Lecture small group teaching	Written	Horizontal with RD	Phase 2 & Phase 3 Part 1 & 2	15min	
29.1.2	At the end of session Phase 2,Phase 3 students should be able to enumerate the clinical features according to the anatomical location of fibroid	K/S	KH	Lecture small group teaching Bedside clinic	Written /Viva voce , OSCE	Horizontal with RD	Phase 3 part 2	1/2 hr	
29.1.3	At the end of session Phase 3 part 2 students should be discuss the	K	KH	Lecture small	Written /Viva		Phase 3 Part 2	15min	

	complication and differential diagnosis of fibroids			group teaching Bedside clinic	voce ,OSCE				
29.1.4	At the end of session Phase3 part 2 students should be able to clinically examine and evaluate a patient with mass per abdomen	K,S,A,C	K,KH,SH,P	Bedside clinic, lecture, DOAP session practical	Written viva voice OSCE OSPE, practical		Phase 3 Part 2	1/2 hr	
29.1.5	At the end of session Phase 3 part 2students should be able to describe the management options of fibroids including medical management	K	KH	Lecture	Written , Viva		Phase 3 Part 2	15min	
29.1.6	At the end of session Phase 3 part 2students should be able to describe the surgical management and preop evaluation in a case of fibroid	K	KH	Lecture small group teaching	Written , viva		Phase 3 Part 2	15min	
29.1.7	At the end of session Phase 3 part 2 students should be able to discuss the preoperative assessment, indications and contraindications along with different routes for myomectomy, steps to reduce blood loss at myomectomy and complications of myomectomy	K	KH	Lecture /practical , video demonstration	Written Viva		Phase 3 Part 2	15min	
29.1.8	At the end of session Phase 3 part 2 students should be able to discuss other alternate and newer management for fibroids (UAE & MRg FUS)	K	K	Lecture Video demonstration	Written		Phase 3 Part 2	15 min	

**Learning Objective of the Topic Number : OG 30.1 PCOS and Hirsutism**

Number	COMPETENCY The student should be able to:	Domain K/S/A/C	Level K/KH/ SH/P	Suggested Teaching Learning method	Suggested Assessment method	Vertical Integration Horizontal Integration	Year	Hours	
OG30.1	Describe and discuss the etiopathogenesis, clinical features, differential diagnosis, investigations, management, complications of PCOS	K/A/C	KH	Lecture	Theory OSCE Clinical assessment Viva Voce		Phase 2 and 3	2hr	

	<b>Learning Objectives derived</b>	Domain K/S/A/C	Level K/KH / SH/P	Suggested Teaching Learning method	Suggested Assessment method	Vertical Integration Horizontal Integration	Year	Hours	Core (y/N)
30.1.1	At the end of session Phase 2 students will be able to describe etiopathogenesis of PCOS .	K/S/A/C	KH	Lecture small group teaching Bedside clinic	Written Practical viva voce OSCE		Phase 2	1/2 hr	
30.1.2	At the end of session Phase 3 part 1 & 2 students should be able to enumerate clinical features of PCOS and also be able clinically evaluate such a patient	K/S/A/C	SH	Lecture small group teaching Bedside clinic	Written Practical		Phase 3 part 1 & 2	15min	

30.1.4	At the end of session Phase 3 Part 2 students should be able to discuss the differential diagnosis, relevant investigations, and management based on symptoms in different age groups - Adolescent, Reproductive, Perimenopausal	K	KH	Lecture small group teaching Bedside Clinical examination	Written Practical Viva voce		Phase 3 part 2	30min	
30.1.3	At the end of session Phase 3 Part 2 student should be able to counsel regarding lifestyle modifications and future complications of metabolic syndrome and malignancy	K/S/A/C	KH SH	Lecture small group teaching, Bedside Video demonstration roleplay	Written Practical viva voce OSCE OSPE	Horizontal with medical and Endocrinology and vertical with community medicine	Phase Phase 3 Part 1 & 2	30min	

**Learning Objective of the Topic Number : OG 30.:2**

Number	COMPETENCY The student should be able to:	Domain K/S/A/C	Level K/KH/SH/P	Suggested Teaching Learning method	Suggested Assessment method	Vertical Integration Horizontal Integration	Year	Hours	
OG30.2	Enumerate the causes and describe the investigations and management of hyperandrogenism	K	KH	Lecture,	Theory/OSCE /Clinical assessment/ Viva Voce		Phase 3	1hr	

	<b>Learning Objectives derived</b>	Domain K/S/A/C	Level K/KH / SH/P	Suggested Teaching Learning method	Suggested Assessment method	Vertical Integration Horizontal Integration	Year	Hours	Core (y/N)
30.2.1	At the end of session Phase 3 Part 1 should be able to enumerate the causes for hyperandrogenism define hirsutism and differentiate virilisation stating examples	K	KH	Lecture small group teaching Symposium	Written		Phase 3 part 2	15 min	
30.2.2	At the end of session Phase 3 Part 2 students should be able to discuss the clinical features and relevant investigations in a case of hirsutism and virilised female	K	KH	Lecture small group teaching Symposium	Written /OSCE/Clinical assessment	Clinical pathology Lab	Phase 3 part 2	20mts	
30.2.3	At the end of session Phase 3 Part 2 students should be able to list the management options for hirsutism	K	K	Lecture small group teaching	Written /viva voce		Phase 3 part 2	10	

**Learning Objective of the Topic Number : OG 31.:1 Uterine prolapse**

Number	COMPETENCY The student should be able to:	Domain K/S/A/C	Level K/KH/ SH/P	Suggested Teaching Learning method	Suggested Assessment method	Vertical Integration Horizontal Integration	Year	Hours	
OG 31.1	Describe and discuss the etiology ,classification, clinical features, diagnosis,Investigations,	K	KH	Lecture,	Theory/OSCE/Clinical assessment /Viva Voce		Phase III	2hr 1/	



principles of management and preventive aspects of prolapse									
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	<b>Learning Objectives derived</b>	Domain K/S/A/ C	Level K/KH / SH/P	Suggested Teaching Learning method	Suggested Assessme nt method	Vertical Integration Horizontal Integration	Year	Hours	Core (y/N)
31..1.1	At the end of session Phase 3 Part 1 students should be able to define prolapse and enumerate its causes	K	KH	Lecture small group teaching	Written Short note ,viva practical		Phase 3	15 min	
31.1.2	At the end of session Phase 2 and phase 3 students should be able to describe the supports of the uterus and vagina	K	KH	Skill Lab Lecture,Be dside, DOAP,Prac tical	Written Practical viva	Anatomy	Phase II	15 min	
31.1.3	At the end of session Phase 3 Part 1 students should be able to clinically examine a patient with prolapse. stage them , arrive at a diagnosis and also enumerate the differential diagnosis and complications	K,S	SH	DOP,Lectu re, small group teaching,B edside Skill Lab	Written Viva Practical OSCE OSPE		Phase 3	30mins	
31.1.4	At the end of session Phase 3 Part 2 students should be able to discuss the investigations & management options including pessary a) Uterine preservation surgeries of prolapse B) Vag.hysterectomy with pelvic	K	KH	Lecture small group teaching Bedside Skill Lab Video	Written OSCE Viva		Phase 3	30 min	

	floor repair			demonstration					
31.1.5	At the end of session Phase 3 Part 1 and part 2 students should be able to enumerate the risk factors of prolapse and describe its preventive measures	K	KH	Lecture	Written		Phase III	15min	
31.1.6	At the end of session Phase 3 Part 2 students should be able to define vault prolapse and its management	K	K	Lecture Video demonstration	Written MCQ		Phase III	15 mins	

**Learning Objective of the Topic Number :**

Number	COMPETENCY The student should be able to:	Domain K/S/A/C	Level K/KH/SH/P	Suggested Teaching Learning method	Suggested Assessment method	Vertical Integration Horizontal Integration	Year	Hours
OG32.1	Describe and discuss physiology of menopause, symptoms and prevention.management and role of hormone replacement therapy	K	KH	Lecture, small group teaching	Written		Phase 2 Phase3	3

	<b>Learning Objectives derived</b>	Domain K/S/A/C	Level K/KH/ SH/P	Suggested Teaching Learning method	Suggested Assessment method	Vertical Integration  Horizontal Integration	Year		Hours
1	At the end of the session phase 2 students should be able to define and describe physiology of menopause correctly.	K	KH	Lecture, symposium	Short essays, short notes		Phase 2		1
2	At the end of the session phase3 part 2 students should be able to discuss symptoms aof menopause and it's effect on organs correctly.	K	KH	Lecture, symposium	Short essay,short notes		Phase 3 Part2		2
3	At the end of the session phase 3,part 2 students should be able to discuss preventive measures for menopausal symptoms correctly.	K	KH	Lecture, symposium	Short essay,short notes		Phase 3 part2		2
4	At the end of the session phase3 part 2 students should be able to discuss management of Menopausal symptoms and role of hormone replacement therapy (HRT)	K	KH	Lecture, symposium	Short notes, short essays	Horizontal integration  Orthopaedics	Phase 3 part2		

**Learning Objective of the Topic Number :**

Number	COMPETENCY The student should be able to:	Domain K/S/A/C	Level K/KH/SH/P	Suggested Teaching Learning method	Suggested Assessment method	Vertical Integration Horizontal Integration	Year	Hours
OG 32.2	Define ,aetiology, clinical features, investigations, diagnosis & management of post menopausal bleeding	K	KH	Lecture / seminar		N	Phase 3, Part 2	2

	<b>Learning Objectives derived</b>	Domain K/S/A/C	Level K/KH/SH/P	Suggested Teaching Learning method	Suggested Assessment method	Vertical Integration Horizontal Integration	Year	Hours
1	At the end of the session Phase 2 student should be able to define and describe etiology of postmenopausal bleeding correctly.	K	KH	Lecture / seminar	Essays, short notes	N	Phase 3, part 2	1

2	At the end of session Phase 3, part 2, student should be able to diagnose the cause of post menopausal bleeding and plan the management	K	KH	Lecture,bed side clinics, observe minor procedures like per speculum examination, Cx pap smear, TVS, pipelleaspiration	Viva voce	N	Phase 3, part 2	1
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Topic : Benign, Premalignant(CIN) and malignant Lesions of the Cervix (04)

Number	COMPETENCY The student should be able to:	Domain K/S/A/C	Level K/KH/SH/P	CORE/ NON CORE	Suggested Teaching Learning method	Suggested Assessment method	Vertical Integration Horizontal Integration	Year	Hours
OG. 33.1,	Classify, describe and discuss etiology, pathology, Clinical features, Differential diagnosis, Investigation, staging of Carcinoma Cervix.	K/S	KH	Y	Lecture/SGD/ Bedside discussion	Written/Viva/Skill assessment			

Number	Learning Objectives derived	Domain K/S/A/C	Level K/KH/ SH/P	Suggested Teaching Learning method	Suggested Assessment method	Vertical Integration Horizontal Integration	Year	Hours
OG.33.1-1	At the end of the session Phase 2 student should accurately describe the etio-pathogenesis, classification & pathological features of premalignant lesions of the cervix	K	KH	Lecture, symposium	Written/ Viva/MCQ	Pathology	Phase2	30. mts
OG.33.1.2	At the end of the session Phase 2 student should accurately describe the etio-pathogenesis, classification & pathological features of malignant lesions of the cervix	K	KH	Lecture, Bedside clinics	Written/ Viva/MCQ		Phase 2	30 mts
OG.33.1.3	At the end of the session phase 3 part 1 Students should be able to describe the Clinical features & enumerate Differential diagnosis of CIN& Carcinoma Cervix.	K	KH	Lecture, Bedside clinics	Written/ OSCE/MCQ		Phase3 PART1	1
OG.33.1.4	At the end of the session, phase 3 part 2 Students should be able to accurately stage Carcinoma cervix from the scenario given	K/S	KH	Lecture, Bedside clinics	Written/ OSCE/MCQ		. Phase3 PART-2	1

Number	COMPETENCY The student should be able to:	Domain K/S/A/C	Level K/KH/ SH/P	CORE/NON CORE	Suggested Teaching Learning method	Suggested Assessment method	Vertical Integration Horizontal Integration	Year	Hours
OG : 33.2	Describe the principles of management including	K	KH	Y	Lecture/SGD/ Bedside	Written/Viva/ skill			







OG.33.4.1	At the end of the session Phase3 part 1 student should be able to describe methods of screening of Carcinoma Cervix.	K	K	Skill Lecture / Symposium	Written/Viva		Phase 3 part-1	1
OG.33.4.2	At the end of the session Phase 3 part 2 student should be able to identify normal & abnormal VIA, VILI and colposcopy	K	KH	Lecture, Video demonstration	Written/OSCE		Phase 3 part-2	1
OG.33.4.3	At the end of the session Phase 3 Part-II students should be able to enumerate the various vaccines available for prophylaxis of Carcinoma Cervix and their dosage schedule.	K	KH	Lecture	Written/OSCE		Phase 3 part-2	30m

**Topic: BENIGN and MALIGNANT DISEASE OF UTERUS & OVARY.**

Number	COMPETENCY The student should be able to:	Domain K/S/A/C	Level /K / KH/ SH/P	Core/Non core	Suggested Teaching Learning method	Suggested Assessment method	Vertical Integration Horizontal Integration	Year	Hours
OG 34.1	Describe and discuss the etiology, Pathology Staging, Clinical features, Differential Diagnosis Investigation, staging Laparotomy, & Principles of management of Endometrial Cancer.	K	KH	Y	Lecture, Bedside clinics	Written/ Viva Voce/ Skill Assessment			

Learning Objectives derived	Domain K/S/A/C	Level K/KH/ SH/P	Suggested Teaching Learning method	Suggested Assessment method	Vertical Integration Horizontal Integration	Year	Hours
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OG.34.1.1	At the end of the session Phase 3 part-1 students should be able to describe and discuss etiology, pathology ,clinical features and Differential diagnosis of endometrial hyperplasia .	K	KH	Lecture /Symposium	Written /Viva	Pathology	Phase 3 part-1	30 mts
OG.34.1.2	At the end of the session phase 3 part-II students should be able to discuss various management options for endometrial hyperplasia with and without atypia.	K	KH	Lecture/bedside clinics/ PBL.	OSCE/ Mcq/ Viva		Phase 3 part-2	30 mts
OG.34.1.3	At the end of the session phase 3 part-1 students should be able to describe discuss risk factors aetio-pathogenesis clinical features and differential diagnosis of postmenopausal bleeding with special reference to Carcinoma Endometrium	K	KH	Lecture/bedside clinics	Written Viva		Phase 3 part-1	30 mts
OG.34.1.4	At the end of session, Phase 3 part-2 students should be able to discuss investigation and staging & principles of management of endometrial Carcinoma	K	KH	Lecture/Bedside clinics	Written/ Viva Voce/OSCE		Phase 3 part-2	1

Number	COMPETENCY The student should be able to:	Domain K/S/A/C	Level K/KH/SH/P	Core/Non core	Suggested Teaching Learning method	Suggested Assessment method	Vertical Integration Horizontal Integration	Year	Hours
OG 34.2	Describe and discuss etiology, pathology, Classification, staging, clinical features, Differential diagnosis, Investigation Principles of management of Carcinoma ovary including staging Laparotomy.	K/S	KH	Y	Lecture	Theory/OSCE Clinical assessment/ Viva			
	Learning Objectives derived	Domain K/S/A/C	Level K/KH/ SH/P		Suggested Teaching Learning method	Suggested Assessment method	Vertical Integration Horizontal Integration	Year	Hours



OG.34.3.1	At the end of session, Phase 3 part- 1 student should be able to describe etiology, pathology, classification, Clinical features , & Differential diagnosis of Vesicular Mole.	K	KH	Lecture	Written/OSCE/ Viva		Phase 3 part-1	1
OG.34.3.2	At the end of the session Phase 3 part-II students should be able to describe and discuss management and follow up of Vesicular Mole	K	KH	Lecture/PBL	OSCE/Written		Phase -3 part-II	30 mts
OG. 34.3.3	At the end of session, Phase 3 part- 1 student should be able to describe etiology, pathology, classification, Clinical features , of Gestational Trophoblastic neoplasia	K	KH	Lecture	Written/OSCE/ Viva		Phase 3 part-1	1
OG. 34.3.4	At the end of session, Phase 3 part -2 student should be able to discuss ,and describe investigation , staging and principles of management of Gestational Trophoblastic Neoplasia	K	KH	Lecture/Bedside clinics	OSCE/ Viva/ written		Phase 3 part-2	1

Number	COMPETENCY The student should be able to:	Domain K/S/A/C	Level K/KH/ SH/P	Core/ Non core	Suggested Teaching Learning method	Suggested Assessment method	Vertical Integration Horizontal Integration	Year	Hours
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OG 34.4	Operative Gynecology understand & describe technique & complication- D&C,EA. ECC ,Cervix biopsy, Abnormal Hysterectomy , Myomectomy, Surgery for Ovarian Tumor, staging Laparotomy, Vaginal Hysterectomy with Pelvic Floor Repair , Fothergill, Laparoscopy, Hysteroscopy. Management of Post OP complications	K/S	SH	Y	Video, Mannequin, observe procedure& surgery in OR	Viva			
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	Learning Objectives derived	Domain K/S/A/C	Level K/KH/SH/P	Suggested Teaching Learning method	Suggested Assessment method	Vertical Integration Horizontal Integration	Year	Hours
OG.34.4.1	At the end of session, Phase 3 part 2 student should be able to describe and show on a mannequin, D&C,EA-ECC and Bx,Cx	K/S	SH	Video, Mannequin observe procedure	Viva/ written		Phase 3 part-2	1
OG.34.4.2	At the end of session, Phase 3 part 2 student should be able to discuss surgery for Ovarian tumor, staging Laparotomy, Abdominal Hysterectomy.	K/S	KH	Video, observe procedure in OR	Viva/written		Phase 3 part-2	1
OG. 34.4.3	At the end of session, Phase3 part 2 student should be able to describe techniques and complications of Myomectomy & management of Post OP complication in general.	K/S	KH	Video/ Symposium / Lecture	Viva/written		Phase 3 part-2	1
OG. 34.4.4	At the end of session, Phase 3 part 2 student should be able to describe techniques and complications of Vaginal Hysterectomy & Pelvic Floor Repair and Fother gills	K/S	KH	Video, observe procedure in OR	Viva/written		Phase 3 part-2	1

OG. 34.4.5	At the end of session, Phase 3 part 2 student should be able to describe technique and complications of Laparoscopy & Hysteroscopy.	K/S	KH	Video, observe in OR OR Demonstration in skill lab.	Viva/OSCE /written		Phase 3 part-2	1
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**Learning Objective of the Topic Number :**

Number	COMPETENCY The student should be able to:	Domain K/S/A/C	Level K/KH/SH/P	Suggested Teaching Learning method	Suggested Assessment method	Vertical Integration Horizontal Integration	Phase	Hours
35.1	Obtain a logical sequence of history and perform a humane and thorough clinical examination, excluding internal examination	K/S	SH	Bed side clinics	practical long case, OSCE Viva		II	

	<b>Learning Objectives derived</b>	Domain K/S/A/C	Level K/KH/SH/P	Suggested Teaching Learning method	Suggested Assessment method	Vertical Integration Horizontal Integration	Phase	Hours
	At the end of the session all students must be able to							
1	Elicit relevant personal details , presenting complaints, menstrual, marital, sexual , obstetric , past , family, personal and socio economic history	K/S	SH	Bed side clinics, Simulated patient in Skill Lab	OSCE		II	3
2	Summarise and analyse the clinical history that is elicited	K/S	SH	SNAPPS	Long case practical		II	In all case discussions
3	Elicit general examination and correlate finding	K/S	SH	SNAPPS, DOAP in Manikin/SP/Volunteer in Skill Lab	Long case practical, OSCE		II	1

4	Elicit relevant systems examination and correlate finding	K/S	SH	SNAPPS, DOAP in Manikin/SP/Volunteer in Skill Lab	Long case practical, OSCE		II	1
5	Elicit Obstetric examination and correlate the finding	K/S	SH	Bed side clinics, DOAP in OP, Manikin in Skill Lab	Long case practical, OSCE		II	2
6	Elicit gynaecological examination and correlate the finding including local and per speculum examination	K/S	SH	Bed side clinics, DOAP in OP, Manikin in Skill Lab	Long case practical, OSCE		II	2

**Learning Objective of the Topic Number :**

Number	COMPETENCY The student should be able to:	Domain K/S/A/C	Level K/KH/SH/P	Suggested Teaching Learning method	Suggested Assessment method	Vertical Integration Horizontal Integration	Phase	Hours
35.2	Arrive at a logical provisional diagnosis after examination	K/S	SH	SNAPPS Paper case discussions	Long case-practical Viva Structured essay		III part I,II	

	Learning Objectives derived	Domain K/S/A/C	Level K/KH/SH/P	Suggested Teaching Learning method	Suggested Assessment method	Vertical Integration Horizontal Integration	Phase	Hours
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1	At the end of the session, all students should be able to correlate history and clinical examination finding and arrive at a provisional diagnosis	K/S	SH	SNAPPS Paper case discussions	Long case-practical Viva Structured essay		III; part I and II	

**Learning Objective of the Topic Number :**

Number	COMPETENCY The student should be able to:	Domain K/S/A/C	Level K/KH/SH/P	Suggested Teaching Learning method	Suggested Assessment method	Vertical Integration Horizontal Integration	Phase I	Hours
35.3	Recognise situations, which call for urgent or early treatment at secondary and tertiary centers and make a prompt referral of such patients after giving first aid or emergency treatment	K/S	SH	1)Interactive lecture 2)Group discussion 3)SNAPPS 4)Mock drill	1)Structured Essay 2) Long case Practical examination 3) Viva 4) Skill lab record of attending at least 2 mock drills		III; part I and II	

<b>Learning Objectives derived</b>	Domain K/S/A/C	Level K/KH/SH/P	Suggested Teaching Learning	Suggested Assessment method	Vertical Integration	Phase	Hours
At the end of the session students should be able to							



				method		Horizontal Integrati on		
1	Enumerate the symptoms and signs of hyper emesis gravidarum and referring according to severity	K/S	KH	1)Interactive lecture 2)gynaec casuality posting during internment	1)SAQ 2)Structured essay 3)log book 4)Viva		1)II 2) III PART II	15 mts
2	Enlist the causes of first trimester bleeding and give first aid management and refer	K	KH	1)Interactive lecture 2)gynaec casuality posting during internment	Same as above		1)PHASE II 2)PHASE III PARTII	1
3	Identify the symptoms and signs of ante partum hemorrhage and give first aid management and refer	K/S	SH	1)introduction lecture 2) mock drill in skill lab 3)labour room posting	1)SAQ 2)Structured essay 3)log book 4)Viva 5) skill lab record		1)PHASE III 2)PHASE III PART I 3)PHASE III PARTII	15 2 hrs
4	Identify post partum hemorrhage and give first aid management and refer	K/S	SH	1)introduction lecture 2) mock drill in skill lab 3)labour room posting	1)SAQ 2)Structured essay 3)log book 4)Viva 5) skill lab record		1)PHASE III 2)PHASE III PART I 3)PHASE III PARTII	15 2 hrs
5	Identify the symptoms and signs severe preeclampsia/ eclampsia and	K/S	SH	Same as above	Same as above		Same as above	

	give first aid management and refer							
6	Identify the symptoms and signs of severe anemia in AUB and give first aid management and refer	K/S	SH	1)Interactive lecture 2)gynaec casualty posting during internment	Same as above		Same as above	
7	Identify the symptoms and signs of acute abdomen in gynaecology and give first aid management and refer	K/S	SH	1)Interactive lecture 2)gynaec casualty posting during internment	Same as above		Same as above	

**Learning Objective of the Topic Number :**

Number	COMPETENCY The student should be able to:	Domain K/S/A/C	Level K/KH/SH/P	Suggested Teaching Learning method	Suggested Assessment method	Vertical Integration Horizontal Integration	Phase	Hours
35.4	Demonstrate interpersonal and communication skills befitting a physician in order to discuss illness	A/C	SH					

	and its outcome with patients and family							
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	<b>Learning Objectives derived</b>	Domain K/S/A/C	Level K/KH/SH/P	Suggested Teaching Learning method	Suggested Assessment method	Vertical Integration Horizontal Integration	Phase	Hours
	At the end of the session student should be able to							
1	Explain the basics of communication and counseling and steps of breaking bad news	K/A/C	KH	Interactive lecture			Phase II	1 hr
2	Counsel and discuss illness and outcome with patient and family	S/A/C	SH	DOAP in OP and labour room Role play	1)Correction of Reflective writing 2)OSCE		Phase III, part I and II	
3	To Break bad news	S/A/C	SH	DOAP in OP and labour room Role play	1)Correction of Reflective writing 2)OSCE		Phase III, part I and II	1 hour

**Learning Objective of the Topic Number :**

Number	COMPETENCY The student should be able to:	Domain K/S/A/C	Level K/KH/SH/P	Suggested Teaching Learning method	Suggested Assessment method	Vertical Integration Horizontal Integration	Phase	Hours
35.5	Determine gestational age, EDD, obstetric formula	K/S	SH	SNAPPS	OSCE ,Long Case practical		II	15 mts

	<b>Learning Objectives derived</b>	Domain K/S/A/C	Level K/KH/SH/P	Suggested Teaching Learning method	Suggested Assessment method	Vertical Integration Horizontal Integration	Phase	Hours
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				method		Integration		
1	At the end of the session student should be able to determine the obstetric score, calculate gestational age and EDD	K/S	SH	SNAPPS	SAQ OSCE Long Case practical		II	15 mts
2	Calculate gestational age and EDD and differentiate between excellent ,good and poor dates	K/S	SH	SNAPPS	SAQ OSCE Long Case practical	K/S	II	30 mts

**Learning Objective of the Topic Number :**

Number	COMPETENCY The student should be able to:	Domain K/S/A/C	Level K/KH/SH/P	Suggested Teaching Learning method	Suggested Assessment method	Vertical Integration Horizontal Integration	Phase	Hours
35.6	Demonstrate ethical behavior in all aspects of medical practice	AC	SH	1)Integrated lecture 2) Group discussion 3) SNAPPS	1)SAQ 2)Correction of Reflective writing 3) Long casePractical examination	Forensic medicine	III part I and II	2

	Learning Objectives derived	Domain K/S/A/C	Level K/KH/SH/P	Suggested Teaching Learning	Suggested Assessment method	Vertical Integration Horizontal	Phase	Hours
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	At the end of the session student should be able to			method		Integration		
1	enumerate the principles of ethics and professionalism involved in medical practice	K	K	Integrated Lecture with examples	SAQ	Forensic medicine	II	1
2	demonstrate behavior respecting patients autonomy in a given OBG scenario	A/C	SH	Group Discussion/ Debate/ Role play SNAPPS	1)Correction of Reflective writing 2)Long Case Practical Examination		III Part II	30 mts
3	demonstrate Non maleficence in a given OBG scenario	A/C	SH	Same as above	Same as above			
4	demonstrate Beneficence in a given OBG scenario	A/C	SH	Same as above	Same as above			
5	demonstrate justice in a given OBG scenario	A/C	SH	Same as above	Same as above			
6	Demonstrate principles of profesionalism in a given OBG scenario	A/C	SH	Same as above	Same as above			

**Learning Objective of the Topic Number :**

Number	COMPETENCY The student should be able to:	Domain K/S/A/C	Level K/KH/SH/P	Suggested Teaching Learning method	Suggested Assessment method	Vertical Integration Horizontal Integration	Phase	Hours
35.7	Obtain informed consent for any examination /procedure	S	SH	1) short introductory lecture 2)Role play	OSCE	FM	III part I and II	2

	<b>Learning Objectives derived</b>	Domain K/S/A/C	Level K/KH/SH/P	Suggested Teaching Learning method	Suggested Assessment method	Vertical Integration Horizontal Integration	Phase	Hours
	At the end of the session students should be able to							
1	List different types of consent and components of informed consent	K	K	Interactive Lecture			Phase II	Along with 35.4 30 mts
2	Obtain an informed consent in the given scenario	S/A/C	SH	Role play	Correction of reflective writing OSCE		III, part II	1.5 hrs

**Learning Objective of the Topic Number :**

Number	COMPETENCY The student should be able to:	Domain K/S/A/C	Level K/KH/SH/P	Suggested Teaching Learning method	Suggested Assessment method	Vertical Integration Horizontal Integration	Phase	Hours
35.8	Write a complete case record with all necessary details	S	SH				Phase III part I and II	

	<b>Learning Objectives derived</b> At the end of the session students should be able to	Domain K/S/A/C	Level K/KH/SH/P	Suggested Teaching Learning method	Suggested Assessment method	Vertical Integration Horizontal Integration	Phase	Hours
1	Enumerate the importance of filling casesheets and documentation, including its medicolegal implications	K	KH	Interactive lecture	Long case practical		III part I and II	
2	Describe the steps of writing progress notes in SOAP format	K	KH	Interactive lecture	Viva Case sheet verification during house surgeoncy			
3	Write a case record completely in a given scenario	S	SH	Log book assignment	Log book( 5 obs and 5 gynaec cases) Long case practical		III part I and II	2

**Sample Assessment Questions :**

**Learning Objective of the Topic Number :**

Number	COMPETENCY The student should be able to:	Domain K/S/A/C	Level K/KH/SH/P	Suggested Teaching Learning method	Suggested Assessment method	Vertical Integration Horizontal Integration	Phase	Hours
35.9	Write a proper discharge summary with all relevant information	S	SH	Project based learning			III Part II	

	Learning Objectives derived	Domain K/S/A/C	Level K/KH/SH/P	Suggested Teaching Learning method	Suggested Assessment method	Vertical Integration Horizontal Integration	Phase	Hours
1	At the end of the session student should be able to list all the heading which is needed to be present in a discharge summary	K	K	Short Lecture prior to project assignment			III Part II	10 mts
2	At the end of the project student should be able to write a discharge summary with all relevant information	S	SH	Project based learning	1)Project evaluation 2)correction of reflective writing		III Part II	

**Learning Objective of the Topic Number :**



Number	COMPETENCY The student should be able to:	Domain K/S/A/C	Level K/KH/SH/P	Suggested Teaching Learning method	Suggested Assessment method	Vertical Integration Horizontal Integration	Phase	Hours
35.10	Write a proper referral note to secondary or tertiary centres or to other physician with all necessary details	S	SH	Project based learning	Evaluation of project and reflection		III Part II	

	<b>Learning Objectives derived</b> At the end of the session student should be able to	Domain K/S/A/C	Level K/KH/SH/P	Suggested Teaching Learning method	Suggested Assessment method	Vertical Integration Horizontal Integration	Phase	Hours
1	List all the heading which is needed to be present in a referral letter	K	K	Short lecture prior to project assignment	1)Project evaluation 2)correction of reflective writing		III Part II	15 mts
2	Write a proper referral letter to tertiary centre for expert managemant	S	SH	Project based learning	Same as above		III Part II	
3	Write a proper referral letter to local hospital for continuation of care	S	SH	Project based learning	Same as above		III Part II	
4	Write a proper referral letter to another physician of concerned specility for expert management	S	SH	Project based learning	Same as above		III Part II	

**Learning Objective of the Topic Number: 35.11**

Number	COMPETENCY The student should be able to:	Domain K/S/A/C	Level K/KH/SH/P	Suggested Teaching Learning method	Suggested Assessment method	Vertical Integration Horizontal Integration	Year	Hours
OG35.11	Demonstrate the correct use of appropriate universal precautions  for self-protection against HIV and hepatitis and counsel patients	K /S	KH/SH	lecture,  Video  Small group teaching  role play	SAQ  OSCE	Microbiology  Community  Medicine	Phase 2  Phase 3	3

	<b>Learning Objectives derived</b>	Domain K/S/A/C	Level K/KH/SH/P	Suggested Teaching Learning method	Suggested Assessment method	Vertical Integration Horizontal Integration	Year	Hours
1	By the end of Phase 2  The students should be able to describe the principles of universal precautions and biomedical waste management	K	KH	lecture,  Video	SAQ	H - Microbiology	Sem 3 (Phase 2)	1HR
2	By the end of the session , Phase 3 ,student should be able to	S	SH	Small group	OSCE	H Community	Sem 6,	1HR

	demonstrate and practice -universal precautions -Handwashing - Types and use of PPE ( Donning and Doffing )			Teaching  Role play Videos DOAP		Medicine	Phase3 part1	
3	At the end of session , Phase 3 student should know how to counsel patients regarding prevention of infection transmission ( with emphasis on HIV and HBsAg) and relevant postop practices	S  AETCOM	SH	Small group teaching  Role play	OSCE		Sem8 Sem9 Phase 3	1HR
4	By the end of the session , Phase 3 , students should be able to demonstrate and practice the Biomedical waste management appropriately	S	SH	Small group teaching	Structured OSCE  Viva  SAQ		Sem8 Sem9 Phase 3	1hr
5	By the end of the session , Phase 3 students should be able to describe the steps to be followed and drugs used in post exposure prophylaxis	K	KH	Lecture	SAQ  Viva			

**Learning Objective of the Topic Number: 35.12**

Number	COMPETENCY The student should be able to:	Domain K/S/A/C	Level K/KH/SH/P	Suggested Teaching Learning method	Suggested Assessment method	Vertical Integration Horizontal Integration	Year	Hours
OG35.12	Obtain a PAP smear in a simulated environment`	K/S	KH/SH	lecture, symposium Small group teaching DOAP	SAQ OSCE SKILL ASSESSMENT VIVA	pathology	Phase 2  Phase 3	2hr30min

	<b>Learning Objectives derived</b>	Domain K/S/A/C	Level K/KH/SH/P	Suggested Teaching Learning method	Suggested Assessment method	Vertical Integration Horizontal Integration	Year	Hours
1	By the end of session, all Phase Student should know importance of PAP SMEAR and the indications , contraindications and timings of Pap smear	K	KH	Introductory lecture, symposium	SAQ		Phase 2 (Sem 3)	30MIN
2	At the end of session, all Phase 3, Sem9 Students should be able to take a pap smear properly in a simulated	K/S	KH/SH	DOAP Video	OSCE		Phase 3	1HR

	environment			demonstration	DOPS VIVA		(Sem8,9)	
5	At the end of session, all Phase 3, Sem9 Students should be able to counsel a patient regarding the need , timing and procedure of papsmear	S A C	SH	Role play  Video	OSCE  Viva  AETCOM	Comm Medicine		

**Learning Objective of the Topic Number:35.13**

Number	COMPETENCY The student should be able to:	Domain K/S/A/C	Level K/KH/SH/P	Suggested Teaching Learning method	Suggested Assessment method	Vertical Integration  Horizontal Integration	Year	Hours
OG35.13	Demonstrate the correct technique to perform artificial rupture of membranes in a simulated / supervised environment	K/S	KH/SH	lecture,  Small group discussion  DOAP	SAQ  OSCE  SKILL ASSESSMENT  VIVA		Phase 2  Phase 3	3hr

	<b>Learning Objectives derived</b>	Domain K/S/A/C	Level K/KH/ SH/P	Suggested Teaching Learning method	Suggested Assessment method	Vertical Integration  Horizontal Integration	Year	Hours
1	By the end of session Phase 3, 8 <sup>th</sup> sem students should know the role of ARM in labour progress , Indications and contraindications ( do s and donts ) and complications of ARM .	K	KH	lecture,  symposium   DOAP	SAQ  VIVA		Phase 3  (Sem 8)	1hr
2	At the end of Phase 3, Sem9 Students should be able to do artificial rupture of membranes in a simulated / supervised environment	K/S	KH/SH	DOAP	OSCE  DOPS  VIVA		Phase 3  (Sem8,9)	1hr
3	By the end of Phase 3 Part 1 , students should have observed /assisted in a specified number of ARM in the LR and entered it in their logbook	K  S	KH	Demonstration  Bedside teaching in LR  DOAP	OSCE  Viva		Phase 3	

**Learning Objective of the Topic Number: 35.14**

Number	COMPETENCY The student should be able to:	Domain K/S/A/C	Level K/KH/SH/P	Suggested Teaching Learning method	Suggested Assessment method	Vertical Integration Horizontal Integration	Year	Hours
OG35.14	Demonstrate the correct technique to perform and suture episiotomies in a simulated/ supervised environment	K/S	KH/SH	lecture, Video Small group teaching DOAP	SAQ OSCE SKILL ASSESSMENT VIVA		Phase 2  Phase 3	3hr

	<b>Learning Objectives derived</b>	Domain K/S/A/C	Level K/KH/SH/P	Suggested Teaching Learning method	Suggested Assessment method	Vertical Integration Horizontal Integration	Year	Hours
1	By the end of session Phase 2, Sem 3 All students should know anatomy of perineum , role of episiotomy in the conduct of labour , types , techniques , indications and complications	K	KH	Intro lecture, symposium	SAQ		Phase 2 (Sem 3)	1hr

2	At the end of Phase 3, all 8 <sup>th</sup> Sem Student should be able to perform and suture episiotomies correctly in a simulated environment in a Mannequinn in Skill lab	S	SH	DOAP Videos Skill lab demo	OSCE DOPS Structured VIVA		Phase 3 Part2	1HR
3	At the end of Phase 3, all 8 <sup>th</sup> Sem Student should be able to describe the episiotomy care and identify episiotomy complication	S	SH	DOAP			Phase 3 Part2	1hr

**Learning Objective of the Topic Number : 35.15**

Number	COMPETENCY The student should be able to:	Domain K/S/A/C	Level K/KH/SH/P	Suggested Teaching Learning method	Suggested Assessment method	Vertical Integration Horizontal Integration	Year	Hours
OG35. 15	Demonstrate the correct technique to insert and remove an IUD in a simulated/ supervised environment	S	SH	DOAP	Skill assessment			



	<b>Learning Objectives derived</b>	Domain K/S/A/C	Level K/KH/ SH/P	Suggested Teaching Learning method	Suggested Assessment method	Vertical Integration  Horizontal Integration	Year	Hours
1	At the end of session , Phase 2 students should be able to describe the steps of insertion and removal of IUCD	K	KH	SGD	Demonstration class / OP clinic demo		Phase 3 Part1	
2	At the end of the session ,all Phase 2 students should be able to demonstrate the insertion of IUCD and removal following all aseptic precautions , correctly in a mannequin in a skill lab  Or under supervision in a patient	S	SH	Skill lab  DOAP	DOAP  DOPS		Phase 3 Part1	
3	At the end of session all Phase 2 students should be able to give counseling to a patient regarding IUCD insertion , and post insertion follow up following the correct protocol	S A C	SH	Roleplay  Video s	OSCE  Viva Posttest - immediate  ( jumbled steps)		Phase 3 Part1	

**Learning Objective of the Topic Number : 35.16**

Number	COMPETENCY The student should be able to:	Domain K/S/A/C	Level K/KH/SH/P	Suggested Teaching Learning method	Suggested Assessment method	Vertical Integration Horizontal Integration	Year	Hours
35.16	Diagnose and provide emergency management of APH& PPH in a simulated/guided environment.	K/S	SH	Lecture, small group teaching, DOAP session	Written, viva voce	NA	phase3 part1	2

	<b>Learning Objectives derived</b>	Domain K/S/A/C	Level K/KH/SH/P	Suggested Teaching Learning method	Suggested Assessment method	Vertical Integration Horizontal Integration	Year	Hours
1	At the end of phase 3 , students should be able identify and evaluate by examination and arrive at a provisional diagnosis for a patient coming with APH in a clinical setting	S	SH	Clinical scenario Demonstarti on class Mock drill	Viva Structured OSCE		Phase 3	1

3	At the end of phase3 part1, students should be able to enumerate the management of Placenta previa , including the initial evaluation , resuscitation and investigation	K S	SH	Intro Lecture,  Mock drill	viva voce  Structured essay		Phase3 part1	1
4	At the end of phase3 part1, students should be able to enumerate the management of Abruption , including the initial evaluation , resuscitation and investigation	K S	SH	Intro Lecture,  Mock drill	viva voce  Structured SA		phase3 part 1	
4	At the end of phase3 part1, students should be able to define ,and enumerate the causes and risk factors of PPH	K	K	Lecture,  Symposium	Structures Essay  viva voce		phase3 part1	1
5	At the end of phase 3 part1 , students should be able identify and evaluate by examination, initial resuscitation and arrive at a provisional diagnosis for a patient coming with PPH	S	SH	Drills	Viva   OCSE		phase3 part1	
6	At the end of phase3 part1, students should be able to enumerate the management( Medical and Surgical ) of PPH , including the initial evaluation , resuscitation and investigation	K S	KH SH	Bedside class  Mock drills	Structured Essay  OSCE		phase3 part1	

**Learning Objective of the Topic Number : 35.17**

Number	COMPETENCY The student should be able to:	Domain K/S/A/C	Level K/KH/SH/P	Suggested Teaching Learning method	Suggested Assessment method	Vertical Integration Horizontal Integration	Year	Hours
OG35.17	Demonstrate the correct technique of urinary catheterisation in a simulated/ supervised environment	S	SH	DOAP	Skill assessment			

	<b>Learning Objectives derived</b>	Domain K/S/A/C	Level K/KH/SH/P	Suggested Teaching Learning method	Suggested Assessment method	Vertical Integration Horizontal Integration	Year	Hours
2	At the end of the session all Phase 3 students should be able describe the steps of urinary catheterization under aseptic precautions using correct technique  Different types of catheter , size and	K	KH	Demonstration class  Video	Viva		Phase3 part2	15mts

1	parts of Foleys Catheter							
2	At the end of the session all phase 3 students should be able to demonstrate the steps of urinary catheterization under aseptic precautions using correct technique in a simulated environment / under supervision and do Log book entry	S	SH	DOAP  Skill lab demo in mannequin  Video	OSCE  DOPS and feedback		Phase 3 part 2	15mts

**Learning Objective of the Topic Number : 36.1**

Number	COMPETENCY The student should be able to:	Domain K/S/A/C	Level K/KH/SH/P	Suggested Teaching Learning method	Suggested Assessment method	Vertical Integration  Horizontal Integration	Year	Hours
OG36.1	Plan and institute a line of treatment, which is need based, cost effective and appropriate for common conditions taking into consideration  (a) Patient  (b) Disease  (c) Socio-economic status (d) Institution/	K/S	SH	Bedside clinics, Small group teaching	Clinical assessment/ Viva voce			

Governmental guidelines.							
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	<b>Learning Objectives derived</b>	Domain K/S/A/C	Level K/KH/ SH/P	Suggested Teaching Learning method	Suggested Assessment method	Vertical Integration  Horizontal Integration	Year	Hours
1	<p>At the end of phase 3 , all students should be able to identify the need and risk factors of common conditions which require hospitalization</p> <p>Eg : Hyperemesis with features of dehydration</p> <p>UTI</p> <p>Threatened miscarriage</p> <p>GDM requiring Insulin</p> <p>Preeclampsia with impending symptoms</p>	S	SH	<p>SGD – symposium</p> <p>Brainstorming session</p>	<p>Viva</p> <p>Clinical OSCE</p>	Community Medicine	8 <sup>th</sup> sem	1hr
2	<p>At the end of Phase 3 all students should be able to identify and counsel patients requiring treatment modality ,taking into consideration their Socioeconomic status and the</p>	S	SH	SGD	Viva			

	existing guidelines Eg : Anaemia in pregnancy							
3	At the end of phase 3 all students must be able to identify the cost effective investigation and treatment modalities available and counsel patients regarding the options Eg : infertility	K S	SH  h	SGD  Brain storming sessions	viva			
4	At the end of phase 3 all students must be able to enlist /Enumerate the various Govtprogrammes for maternal and child welfare and insurance programmes	K	KH	Lecture	Viva  SAQ	Community Medicine		
5	At the end of phase 3 all students must be able to educate patients attending the hospital regarding the various schemes available for Maternal and Child health and Womens health Eg : JSSK , PMJAY , RSBY , Thalolam , Hridyam , Karunya	S	SH	Lecture class  Role play ?	Viva			

6	At the end of phase 3 all students must know the medicolegal implications of Underage pregnancy and be aware of POCSO act and its implication	K	SH	Lecture class				
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**Learning Objective of the Topic Number : 36.2**

Number	COMPETENCY The student should be able to:	Domain K/S/A/C	Level K/KH/SH/P	Suggested Teaching Learning method	Suggested Assessment method	Vertical Integration Horizontal Integration	Year	Hours
OG36.2	Organise antenatal, postnatal, well-baby and family welfare clinics	K/S	KH	Bedside clinics	Clinical assessment/ Viva voce			



	<b>Learning Objectives derived</b>	Domain K/S/A/C	Level K/KH/ SH/P	Suggested Teaching Learning method	Suggested Assessment method	Vertical Integration  Horizontal Integration	Year	Hours
1	At the end of Phase 2 all the students should be able to enumerate the facilities provided in an antenatal ,PN clinic and the importance of AN,PN visits	K	KH	Intro lecture  Bedside  OP	Viva		Phase2	
2	At the end of Phase 3 all students should be able to correctly send request for appropriate investigation depending on the gestational age	S	KH	Demonstration	Viva		Phase 3 part2	
3	At the end of Phase 2 all students should be able to describe the importance of postnatal visit and assessment of mother and babies health and advise the mother  FP , BF	K	KH		Viva		Phase2	
4	At the end of Phase 2 all students should be able to know the importance and common questions to asked for screening for postpartum	K		Lecture	Viva		Phase 2	

	mental health problems							
5	At the end of Phase 3 all students should be able to counsel the patient regarding choosing appropriate family planning methods	K S	KH / s	Role play  Small group teaching			Phase 3 part1	

**Learning Objective of the Topic Number : OG 36.3**

Number	COMPETENCY The student should be able to:	Domain K/S/A/C	Level K/KH/SH/P	Suggested Teaching Learning method	Suggested Assessment method	Vertical Integration  Horizontal Integration	Year	Hours
OG36.3	Demonstrate the correct technique of punch biopsy of uterus in a simulated/ supervised environment	S	SH	Bedside clinics	Clinical assessment/ Viva voce			

	<b>Learning Objectives derived</b>	Domain K/S/A/C	Level K/KH/ SH/P	Suggested Teaching Learning method	Suggested Assessment method	Vertical Integration  Horizontal Integration	Year	Hours
1	At the end of Phase 3, all students should be able to enlist the indications and methods to do cervical biopsy	K	K	Symposium  Bedside class			Phase 3 part2	
2	At the end of Phase 3, all students should be able to describe correctly the ,pre procedure preparations( including consent) , steps , instruments and post procedure care in Cervical biopsy	K	KH	Demonstration class  Skill lab  Video			Phase 3 part2	
3	At the end of Phase 3, all students should be able to demonstrate the correct technique of punch biopsy of cervix on a mannequin correctly	S	SH	Skill lab demo	Viva /OSCE		Phase 3 part2	

**Learning Objective of the Topic Number: OG 37.1**

Number	COMPETENCY The student should be able to:	Domain K/S/A/C	Level K/KH/SH/P	Suggested Teaching Learning method	Suggested Assessment method	Vertical Integration Horizontal Integration	Year	Hours
OG37.1	Observe and assist in the performance of a Caesarean section	K/S/A/C	SH	Bedside clinics, Small group teaching	Log book	AETCOM  Anaesthesia  Microbiology	Phase 2  Phase 3, part 2 internment posting  CRRRI	11

	Learning Objectives derived	Domain K/S/A/C	Level K/KH/SH/P	Suggested Teaching Learning method	Suggested Assessment method	Vertical Integration Horizontal Integration	Year	Hours
1	At the end of the 3 <sup>rd</sup> semester, the	K/S	SH	Lecture using videos	Skill assessment			

	<p>phase 2 student should be able to</p> <p>Describe and demonstrate the aseptic techniques, steps of handwashing, in a simulated environment and should be able to demonstrate the personal protective precautions (covid)</p>			DOAP sessions	<p>– OSCE station</p> <p>Logbook</p>	Microbiology	Phase 2	1
2	<p>At the end of the 8<sup>th</sup> semester, the phase 3, part 2 student should be able to</p> <p>Describe the principles of preoperative preparations in a patient posted for caesarean section including the antibiotic policy &amp; and should be able to follow the WHO surgical check list</p>	K/S	KH	<p>Lecture</p> <p>Small group teaching in LR / theatre</p>	Viva		Phase 3, part 2	30 min
3	<p>At the end of the 8<sup>th</sup> semester, the phase 3, part 2 student should be able to</p> <p>Obtain appropriate consent for caesarean section in a simulated environment</p>	K/A/C	SH	<p>Lecture with video demonstration</p> <p>Observation of patient counselling and consent taking in</p>	<p>Skill assessment in OSCE station</p> <p>Logbook</p>	AETCOM	Phase 3, part 2	30 min

				LR and reflect on the experience				
4	At the end of the 8 <sup>th</sup> semester, the phase 3, part 2 student should be able to  Enumerate the different types of anaesthesia used and describe the steps of caesarean section correctly	K	KH	Symposium/Lecture  Demonstration in theatre	Viva  SAQ	Anaesthesia	Phase 3, part 2	30 min
5	At the end of the 8 <sup>th</sup> semester, the phase 3, part 2 student should be able to  Identify the various instruments used in caesarean section	K	KH	Small group teaching in LR theatre	Viva		Phase 3, part 2	30 min
6	At the end of 9 <sup>th</sup> semester, the phase 3 student should have  Observed at least 5 caesarean sections  And at the end of CRRI, the student should have assisted in at least 2 caesarean sections	K/S	SH	DOAP session in LR theatre/ OT	Logbook  Viva  DOPS(CRRI)		Phase 3, part 2 & CRRI	6
7	At the end of the 8 <sup>th</sup> semester, the phase 3, part 2 student should be able to	K	KH	Symposium	SAQ		Phase 3, part 2	15min

	Describe the principles of postoperative management of a patient who has undergone caesarean section			Bedside teaching in OT/ post op ward	Viva			
8	At the end of the 8 <sup>th</sup> semester, the phase 3, part 2 student should be able to  Enumerate the complications of caesarean section and management	K	KH	Symposium  Bedside teaching in OT/ post op ward	Viva  SAQ		Phase 3, part 2	15 min

**Learning Objective of the Topic Number :OG 37.2**

Number	COMPETENCY The student should be able to:	Domain K/S/A/C	Level K/KH/SH/P	Suggested Teaching Learning method	Suggested Assessment method	Vertical Integration  Horizontal Integration	Year	Hours
OG37.2	Observe and assist in the performance of Laparotomy	K/S/A/C	SH	Bedside clinics, Small group teaching	Clinical assessment/ Viva voce	AETCOM  Anaesthesia	Phase 3, part 2  CRR1	5

	<b>Learning Objectives derived</b>	Domain K/S/A/C	Level K/KH/ SH/P	Suggested Teaching Learning method	Suggested Assessment method	Vertical Integration  Horizontal Integration	Year	Hours
1	At the end of the 8 <sup>th</sup> semester, the phase 3, part 2 student should be able to  Describe the preoperative preparations of a patient posted for laparotomy & should be able to follow the WHO surgical check list	K	KH	Symposium/Lecture  Small group teaching in OT	Viva  SAQ		Phase 3, part 2	30 min
2	At the end of the 8 <sup>th</sup> semester, the phase 3, part 2 student should be able to  Obtain appropriate consent for laparotomy in a simulated environment	K/A/C	SH	Lecture with video demonstration  Observation of patient counselling and consent taking during ward posting	Skill assessment in OSCE station  Logbook	AETCOM	Phase 3, part 2	30 min
3	At the end of the 8 <sup>th</sup> semester, the phase 3, part 2 student should be able to	K	KH	Symposium /Lecture	Viva		Phase 3, part 2	15 min



	Enumerate the indications for laparotomy			Small group teaching in OT/ward	SAQ			
4	At the end of the 8 <sup>th</sup> semester, the phase 3, part 2 student should be able to  Describe the types of anaesthesia used for laparotomy and describe the steps of staging laparotomy correctly	K	KH	Symposium/ Lecture with video demonstration  Demonstration in theatre	Viva  SAQ	Anaesthesia	Phase 3, part 2	30 min
5	At the end of the 8 <sup>th</sup> semester, the phase 3, part 2 student should be able to  Identify the instruments used for laparotomy	K	KH	Small group teaching in OT	Viva		Phase 3, part 2	15 min
6	At the end of the 9 <sup>th</sup> semester the phase 3, part 2 student  Should have observed at least 2 laparotomies	K/S	SH	DOAP session in theatre	DOPS(CRRI)  Logbook  Viva		Phase 3, part 2/ CRRI	2

	And by the end of CRR1, should have assisted in at least 1 laparotomy							
7	At the end of the 9 <sup>th</sup> semester, the phase 3, part 2 student should be able to  Describe the postoperative management of a patient who has undergone laparotomy including enhanced recovery protocols and post op follow up	K	KH	Symposium/Lecture  Bed side teaching in the ward	SAQ  Viva		Phase 3, part 2	15 min
8	At the end of the 9 <sup>th</sup> semester, the phase 3, part 2 student should be able to  Enumerate the complications associated with laparotomy	K	KH	Symposium  Small group teaching in OT/ward	SAQ  Viva		Phase 3, part 2	15 min

**Learning Objective of the Topic Number:OG 37.3**

Number	COMPETENCY The student should be able to:	Domain K/S/A/C	Level K/KH/SH/P	Suggested Teaching Learning method	Suggested Assessment method	Vertical Integration Horizontal Integration	Year	Hours
OG37.3	Observe and assist in the performance of Hysterectomy – abdominal/vaginal	K/S/A/C	SH	Bedside clinics, Small group Teaching	Clinical assessment/ Viva voce	AETCOM  Anaesthesia	Phase 3, part 1 & 2	8

	<b>Learning Objectives derived</b>	Domain K/S/A/C	Level K/KH/SH/P	Suggested Teaching Learning method	Suggested Assessment method	Vertical Integration Horizontal Integration	Year	Hours
1	At the end of 6 <sup>th</sup> semester, the phase 3, part 1 student should be able to enumerate the  Indications for hysterectomy and describe the reasons for choosing the procedure in a particular indication	K/S	KH	Symposium  Small group teaching in OT	Viva  SAQ		Phase 3, part 1	15 min
2	At the end of 6 <sup>th</sup> semester, the phase	K/S	KH	Symposium	Viva		Phase 3,	15

	3, part 1 student should be able to Enumerate the preop investigations to be done			Small group teaching in OT/ ward	SAQ		part 1	min
3	At the end of 6 <sup>th</sup> semester, the phase 3, part 1 student should be able to  Describe the preoperative preparations including antibiotic policy in a patient posted for abdominal/vaginal hysterectomy and follow the WHO surgical check list	K/S	KH	Symposium  Small group teaching in OT	Viva		Phase 3, part 1	30 min
4	At the end of 8 <sup>th</sup> semester, the phase 3, part 1 student should be able to  Obtain appropriate consent for abdominal/vaginal hysterectomy in a simulated environment	K/A/C	SH	Lecture with video demonstration  Observation of patient counselling and consent taking during ward posting	Skill assessment in OSCE station  Logbook	AETCOM	Phase 3, part 1	30 min

5	<p>At the end of the 8<sup>th</sup> semester, the phase 3, part 2 student should be able to</p> <p>Enumerate the types of anaesthesia used for hysterectomy and describe the steps of abdominal hysterectomy correctly</p>	K	KH	<p>Symposium/ Lecture with video demonstration</p> <p>Demonstration in theatre</p>	<p>Viva</p> <p>SAQ</p>	Anaesthesia	Phase 3, part 2	30 min
6	<p>At the end of 8<sup>th</sup> semester, the phase 3, part 2 student should be able to</p> <p>Describe the steps of vaginal hysterectomy correctly</p>	K	KH	<p>Symposium/ Lecture with video demonstration</p> <p>Demonstration in theatre</p>	<p>Viva</p> <p>SAQ</p>		Phase 3, part 2	30 min
7	<p>At the end of 8<sup>th</sup> semester, the phase 3, part 2 student should be able to</p> <p>Identify the various instruments used in abdominal/vaginal hysterectomy</p>	K	KH	Small group teaching in OT	Viva		Phase 3, part 2	15 min

8	At the end of 9 <sup>th</sup> semester, the phase 3, part 2 student should have  Observed atleast 2 abdominal/vaginal hysterectomies And by the end of CRRRI should have assisted in atleast 1 abdominal/vaginal hysterectomy	K/S	SH	DOAP session in OT	DOPS(CRRRI)  Logbook  Viva		Phase 3, part 2  CRRRI	3
9	At the end of 9 <sup>th</sup> semester, the phase 3, part 2 student should be able to  List the advantages and disadvantages of ovarian conservation during hysterectomy	K	KH	Symposium  Small group teaching in OT/ward	Viva  SAQ		Phase 3, part 2	15 min
10	At the end of 9 <sup>th</sup> semester, the phase 3, part 2 student should be able to  Describe the postoperative management of a patient following abdominal/ vaginal hysterectomy including enhanced recovery protocols and follow up	K	KH	Symposium  Bed side teaching in the ward	SAQ  Viva		Phase 3, part 2	15 min
11	At the end 9 <sup>th</sup> semester, the phase 3, part 2 student should be able to  Enumerate the complications of abdominal/ vaginal hysterectomy and management of the complications	K	KH	Symposium  Bedside teaching in ward	SAQ  Viva		Phase 3, part 2	30 min

**Learning Objective of the Topic Number: OG 37.4**

Number	COMPETENCY The student should be able to:	Domain K/S/A/C	Level K/KH/SH/P	Suggested Teaching Learning method	Suggested Assessment method	Vertical Integration Horizontal Integration	Year	Hours
OG 37.4	Observe and assist in the performance of a D&C	K/S/A/C	SH	Bedside clinics  Small group teaching  Observation in minor OT	Viva  Logbook	AETCOM  Anaesthesia	Phase 2  Phase 3, part 1 & 2  CRR1	4

	Learning Objectives derived	Domain K/S/A/C	Level K/KH/SH/P	Suggested Teaching Learning method	Suggested Assessment method	Vertical Integration Horizontal Integration	Year	Hours
1	At the end of 3 <sup>rd</sup> semester, the phase 2 student should be able to	K	KH	Small group teaching in minor	Viva		Phase 2	15min

	Enumerate the therapeutic and diagnostic indications for D&C			OT				
2	At the end of 6 <sup>th</sup> semester, the phase 3, part 1 student should be able to  Describe the preoperative preparations for D&C	K	KH	Small group teaching in minor OT  Symposium/lecture	Viva		Phase 3, part 1	15 min
3	At the end of 6 <sup>th</sup> semester, the phase 3, part 1 student should be able to  Obtain appropriate consent for D&C in a simulated environment	K/S/A/C	SH	Lecture with video demonstration  Observation of patient counselling and consent taking during ward posting/ minor OT	OSCE  Logbook	AETCOM	Phase 3, part 1	30 min
4	At the end of 6 <sup>th</sup> semester, the phase 3, part 1 student should be able to  Enumerate the different methods of analgesia & anaesthesia used during D&C and describe the steps of D&C	K	KH	Symposium/lecture with video demonstration  Small group teaching/ demonstration in	Viva  SAQ	Anaesthesia	Phase 3, part 1	30 min



	correctly			minor OT Symposium/lecture				
5	At the end of 6 <sup>th</sup> semester, the phase 3, part 2 student should be able to  Identify the instruments used in D&C correctly	K	KH	Demonstration in minor OT	Viva		Phase 3, part 1	15 min
6	At the end of 9 <sup>th</sup> semester, the phase 3, part 2 student should have  Observed at least 3 D&C procedures, including specimen collection & sending for HPE  And at the end of CRRI, the student should have assisted in at least 2 D&C	K/S	SH	DOAP session during minor OT posting	DOPS(CRRI)  Logbook  Viva		Phase 3, Part 2  CRRI	1
7	At the end of 8 <sup>th</sup> semester, the phase 3, part 2 student should be able to	K	KH	Symposium  Bed side teaching	Viva		Phase 3, part 2	15 min

	Enumerate the complications of D&C correctly			in the ward	SAQ			
8	At the end of 8 <sup>th</sup> semester, the phase 3, part 2 student should be able to  Describe the postoperative management and follow up especially with regard to histopathology and subsequent management.	K	KH	Symposium  Small group teaching in ward/ OPD	Viva  SAQ		Phase 3, part 2	15 min

**Learning Objective of the Topic Number: OG 37.5**

Number	COMPETENCY The student should be able to:	Domain K/S/A/C	Level K/KH/SH/P	Suggested Teaching Learning method	Suggested Assessment method	Vertical Integration Horizontal Integration	Year	Hours
OG37.5	Observe and assist in the performance of Fractional curettage(FC) &Endometrial aspiration -	K/S/A/C	SH	Bedside clinics, Small group teaching	Viva voce	AETCOM  Anaesthesia	Phase 3, part 1  Phase 3,	3

	endocervical curettage (EA-ECC)						part 2	
							CRR	

	<b>Learning Objectives derived</b>	Domain K/S/A/C	Level K/KH/ SH/P	Suggested Teaching Learning method	Suggested Assessment method	Vertical Integration  Horizontal Integration	Year	Hours
1	At the end of 6 <sup>th</sup> semester, the phase 3, part 2 student should be able to  Enumerate and discuss the indications for FC &EA-ECC correctly	K	KH	Small group teaching in minor OT  Symposium/lecture	Viva		Phase 3, part 1	15 min
2	At the end of 8 <sup>th</sup> semester posting, the phase 3, part 2 student should be able to enumerate the preoperative preparation for FC &EA-ECC	K	KH	Small group teaching in minor OT  Symposium/lecture	Viva		Phase 3, part 2	15 min
3	At the end of 8 <sup>th</sup> semester, the phase 3, part 2 student should be able to	K/A/C	SH	Lecture with video demonstration	OSCE  Logbook		Phase 3, part 2	30 min

	Obtain appropriate consent for EA-ECC in a simulated environment			Observation of patient counselling and consent taking during ward posting/ minor OT				
4	At the end of 8 <sup>th</sup> semester, the phase 3, part 2 student should be able to  Identify the instruments used for FC & EA-ECC correctly	K	KH	Demonstration in minor OT/OPD	Viva		Phase 3, part 2	15 min
5	At the end of 8 <sup>th</sup> semester, the phase 3, part 2 student should be able to  Enumerate the different methods of analgesia (paracervical block)&anaesthesia used during FC/EA-ECC and describe the steps of FC & EA-ECC correctly	K	KH	Symposium/lecture with video demonstration  Small group teaching in minor OT	Viva  SAQ		Phase 3, part 2	30 min
6	At the end of 9 <sup>th</sup> semester the phase 3, part 2 student should have  Observed at least 2FC/EA-ECC procedures, including specimen collection & sending for HPE And at the	K/S	SH	DOAP session during minor OT posting	DOPS(CRRI)  Logbook		Phase 3, part 2  CRRI	15 min

	end of CRR1, the student should have assisted in at least 2FC/EA-ECC procedures				Viva			
7	At the end of 8 <sup>th</sup> semester, the phase 3, part 2 student should be able to  Enumerate the complications of FC &EA-ECC correctly	K	KH	Symposium  Small group teaching in minor OT	Viva  SAQ		Phase 3, part 2	15 min
8	At the end of 8 <sup>th</sup> semester, the phase 3, part 2 student should be able to  Describe the postoperative follow up especially with regard to histopathology and subsequent management	K	KH	Symposium  Small group teaching in minor OT	Viva		Phase 3, part 2	15 min

**Learning Objective of the Topic Number: OG 37.6**

Number	COMPETENCY The student should be able to:	Domain K/S/A/C	Level K/KH/SH/P	Suggested Teaching Learning method	Suggested Assessment method	Vertical Integration  Horizontal Integration	Year	Hours
OG37.6	Observe and assist in the performance of outlet forceps application of vacuum and breech delivery	K/S/A/C	SH	Bedside clinics, Small group teaching	Log book		Phase 3, part 2  CRR1	6

	<b>Learning Objectives derived</b>	Domain K/S/A/C	Level K/KH/ SH/P	Suggested Teaching Learning method	Suggested Assessment method	Vertical Integration  Horizontal Integration	Year	Hours
1	At the end of 8 <sup>th</sup> semester internment posting, a phase 3, part 2 student should be able to  Enumerate and discuss the indications and prerequisites for 1)outlet forceps & 2)Vacuum extraction	K	KH	Symposium  Small group teaching in LR	SAQ  Viva		Phase 3, part 2	30 min
2	At the end of 8 <sup>th</sup> semester internment posting, a phase 3, part 2 student should be able to  List different types of forceps and describe the parts of an outlet forceps correctly	K	KH	Symposium  Small group teaching in LR	SAQ  Viva		Phase 3, part 2	30 min
3	At the end of 8 <sup>th</sup> semester internment posting, a phase 3, part 2 student should be able to  List different types of vacuum cups and discuss the salient features of the instrument	K	KH	Symposium  Small group teaching in LR	SAQ  Viva		Phase 3, part 2	30 min
4	At the end of 8 <sup>th</sup> semester internment	K/A/C	SH	Video	OSCE		Phase 3,	15

	posting, a phase 3, part 2 student should be able to  Counsel and obtain appropriate consent for application of outlet forceps/vacuum in a simulated environment			demonstration  Observation of patient counselling and consent taking in LR	station  Logbook		part 2	min
5	At the end of 8 <sup>th</sup> semester internship posting, a phase 3, part 2 student should be able to  Describe the steps & demonstrate application of outlet forceps correctly on a manikin	K/S	SH	DOAP session in skill lab  Video demonstration  Demonstration in LR	Skill assessment on a manikin in skill lab  Logbook  Viva		Phase 3, part 2	1
6	At the end of 8 <sup>th</sup> semester internship posting, a phase 3, part 2 student should be able to  Describe the steps & demonstrate application of vacuum correctly on a manikin	K/S	SH	DOAP session in skill lab  Video demonstration  Demonstration in LR	Skill assessment on a manikin in skill lab  Logbook  Viva		Phase 3, part 2	1
7	At the end of 8 <sup>th</sup> semester internship posting, a phase 3, part 2 student should be able to	K	KH	Symposium	SAQ		Phase 3, part 2	30 min

	Enumerate the maternal and foetal complications of outlet forceps/ vacuum extraction			Small group teaching in LR	Viva			
8	At the end of 8 <sup>th</sup> semester internship posting, a phase 3, part 2 student should be able to  Describe the prerequisites and steps in the conduct of an assisted breech delivery correctly including analgesia (pudendal block) and demonstrate in a manikin	K/S	SH	DOAP session in skill lab  Video demonstration  Demonstration in LR	Skill assessment on a manikin in skill lab  Logbook  Viva		Phase 3, part 2	1
9	At the end of 8 <sup>th</sup> semester internship posting, a phase 3, part 2 student should be able to  Enumerate the complications associated with vaginal breech delivery	K	KH	Symposium  Small group teaching in LR	SAQ  Viva		Phase 3, part 2	30 min
10	At the end of 8 <sup>th</sup> semester internship posting, the phase 3, part 2 student should have	K/S	SH	DOAP session in LR	DOPS(CRRI)		Phase 3, part 2/ CRRI	1



Observed at leastone outlet forceps/ vacuum extraction & one assisted breach delivery					Logbook			
And at the end of CRRI, if possible, the student should have assisted in one outlet forceps/vacuum and one assisted breach delivery					Viva			

**Learning Objective of the Topic Number: OG 37.7**

Number	COMPETENCY The student should be able to:	Domain K/S/A/C	Level K/KH/SH/P	Suggested Teaching Learning method	Suggested Assessment method	Vertical Integration Horizontal Integration	Year	Hours
OG37.7	Observe and assist in the performance of MTP in the first trimester and evacuation in incomplete abortion	K/S/A/C	SH	Bedside clinics, Small group teaching	Clinical assessment/ Viva voce		Phase 3, part 1  CRRI	3

	Learning Objectives derived	Domain K/S/A/C	Level K/KH/SH/P	Suggested Teaching Learning method	Suggested Assessment	Vertical Integration	Year	Hours
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			SH/P		method	Horizontal Integration		
1	At the end of 6 <sup>th</sup> semester, the phase 3, part 1 student should be able to  Describe the preoperative preparations in a patient posted for MTP	K	KH	Bedside clinics  Symposium	Viva		Phase 3, part 1	15 min
2	At the end of 6 <sup>th</sup> semester, the phase 3, part 1 student should be able to  Obtain appropriate consent for surgical first trimester MTP in a simulated environment	K/S/A/C	SH	Bedside clinics (Observation of patient counselling and consent taking)  Video demonstration	Skill assessment- OSCE  Logbook		Phase 3, part1	30 min
3	At the end of 6 <sup>th</sup> semester, the phase 3, part 1 student should be able to  Enumerate the types of analgesia/ anaesthesia used for surgical MTP/ evacuation of incomplete abortion and describe the steps of first trimester surgical MTP methods including manual vacuum aspiration (MVA) correctly	K	KH	Symposium/ Lecture with video demonstration  Demonstration and observation of procedure during FP posting	SAQ  Viva		Phase 3, part 1	30 min

4	<p>At the end of 6<sup>th</sup> semester, the phase 3, part 1 student should be able to</p> <p>List and identify the instruments used for surgical MTP/MVA/ evacuation of incomplete abortion</p>	K	KH	Small group teaching in FP theatre	Viva		Phase 3, part 1	30 min
5	<p>At the end of 6<sup>th</sup> semester, the phase 3, part 1 student should have</p> <p>Observed at least one first trimester surgical MTP/ MVP/ evacuation of incomplete abortion</p> <p>And at the end of CRRI, should have assisted in at least one first trimester MTP/ MVA/ evacuation of incomplete abortion</p>	K/S	SH	DOAP session in FP OT	DOPS(CRRI)  Logbook  Viva		Phase 3, part 1  CRRI	30 min
6	<p>At the end of 6<sup>th</sup> semester, the phase 3, part 1 student should be able to Describe the postoperative management and follow up of a patient who has undergone MTP, including contraceptive options</p>	K	KH	Symposium  Small group teaching in ward/ FP OT	Viva  SAQ		Phase 3, part 1	15 min
7	<p>At the end of the 6<sup>th</sup> semester posting, the phase 3, part 1 student should be able to</p>	K	KH	Symposium	Viva		Phase 3, part 1	15 min

	List the different immediate & longterm complications of surgical MTP			Small group teaching in OT	SAQ			
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**Topic: Should observe**

Number	COMPETENCY The student should be able to:	Domain K/S/A/C	Level K/KH/SH/P	Suggested Teaching Learning method	Suggested Assessment method	Vertical Integration Horizontal Integration	Year	Hours
OG38.1	Laparoscopy	K/S/A/C	SH	Bedside clinics, Small group teaching	Clinical assessment/ Viva voce	AETCOM	Phase 3, part 2  CRR1	5

	Learning Objectives derived	Domain K/S/A/C	Level K/KH/SH/P	Suggested Teaching Learning method	Suggested Assessment method	Vertical Integration Horizontal	Year	Hours
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						Integration		
1	At the end of the 8 <sup>th</sup> semester, the phase 3, part 2 student should be able to  Describe the preoperative management in a patient posted for laparoscopy and should be able to follow the surgical check list	K	KH	Symposium  Small group teaching in OT	Viva  SAQ		Phase 3, part 2	30 min
2	At the end of the 8 <sup>th</sup> semester, the phase 3, part 2 student should be able to  Counsel & obtain appropriate consent for laparoscopy in a simulated environment	K/A/C	SH	Small group discussion with video demonstration  Observation of patient counseling and consent taking in the ward/ OP	Skill assessment in OSCE station  Logbook	AETCOM	Phase 3, part 2	30 min
3	At the end of the 8 <sup>th</sup> semester, the phase 3, part 2 student should be able to  Discuss about the preferred anaesthesia in laparoscopy and correctly describe the steps of diagnostic laparoscopy	K	KH	Symposium  Small group teaching / demonstration in theatre	Viva  SAQ		Phase 3, part 2	30 min
4	At the end of the 8 <sup>th</sup> semester, the phase 3, part 2 student should be able to  Identify the various instruments used in	K	KH	Small group teaching in OT	Viva		Phase 3, part 2	30 min

	laparoscopy							
5	At the end of the 9 <sup>th</sup> semester/ CRR1, the student should have  Observed at least 2 laparoscopic procedures	K/S	SH	Demonstration and observation in OT	Logbook  Viva		Phase 3, part 2  CRR1	2
6	At the end of the 9 <sup>th</sup> semester, the phase 3, part 2 student should be able to  Describe the complications & postoperative management of a patient who has undergone laparoscopy	K	KH	Symposium/lecture  Bed side teaching in the ward	SAQ  Viva		Phase 3, part 2	15 min

**Learning Objective of the Topic Number : Observe**

	COMPETENCY The student should be able	Domain	Level K/KH/	Suggested Teaching	Suggested Assessment	Vertical	Year	Hours
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Number	to:	K/S/A/C	SH/P	Learning method	method	Integration		
OG38.2	Hysteroscopy	K/S/A/C	SH	Bedside clinics, Small group teaching	Clinical assessment/ Viva voce	AETCOM Horizontal Integration	Phase 3, part 2 CRR	4

	Learning Objectives derived	Domain K/S/A/C	Level K/KH/SH/P	Suggested Teaching Learning method	Suggested Assessment method	Vertical Integration Horizontal Integration	Year	Hours
1	At the end of the 8 <sup>th</sup> semester, the phase 3, part 2 student should be able to  Describe the preoperative preparations in a patient posted for hysteroscopy and should be able to follow the surgical check list	K	KH	Symposium  Small group teaching in OT	SAQ  Viva		Phase3, part 2	30 min
2	At the end of the 8 <sup>th</sup> semester, the phase 3, part 2 student should be able to  Counsel & obtain appropriate consent for	K/A/C	SH	Lecture with video demonstration  Observation of patient counseling	Skill assessment in OSCE station	AETCOM	Phase 3, part 2	30 min

	hysteroscopy in a simulated environment			and consent taking in the ward/ OP	Logbook			
3	At the end of the 8 <sup>th</sup> semester, the phase 3, part 2 student should be able to  Discuss about the preferred anaesthesia in hysteroscopy and describe the steps of diagnostic hysteroscopy correctly	K	KH	Symposium/ Lecture with video demonstration  Small group teaching/ demonstration in OT	Viva  SAQ		Phase 3, part 2	30 min
4	At the end of the 8 <sup>th</sup> semester, the phase 3, part 2 student should be able to  Identify the various instruments used in hysteroscopy	K	KH	Small group teaching in OT	Viva		Phase 3, part 2	15 min
5	At the end of the 9 <sup>th</sup> semester/CRR1, the student should have  Observed at least one hysteroscopic procedure	K/S	SH	Demonstration and observation in OT	Logbook  Viva		Phase 3, part 2  CRR1	1
6	At the end of the 8 <sup>th</sup> semester, the phase 3, part 2 student should be able to  Describe the postoperative management of a patient who has undergone hysteroscopy	K	KH	Symposium/lecture  Bed side teaching	SAQ  Viva		Phase 3, part 2	15 min





			SH/P		method	Horizontal Integration		
1	At the end of the 6 <sup>th</sup> semester FP posting, the phase 3, part 1 student should be able to  Describe the preoperative management in a patient posted for PPS/ laparoscopic sterilization	K	KH	Symposium  Small group teaching in FP OT	SAQ  Viva		Phase 3, part 1	15 min
2	At the end of the 6 <sup>th</sup> semester FP posting, the phase 3, part 1 student should be able to  Counsel & obtain appropriate consent for PPS/ laparoscopic sterilization in a simulated environment	K/A/C	SH	Lecture with video demonstration  Observation of patient counseling and consent taking in the ward/ OP	Skill assessment in OSCE station  Logbook	AETCOM	Phase 3, part 1	30 min
3	At the end of the 6 <sup>th</sup> semester FP posting, the phase 3, part 1 student should be able to  Enumerate the types of anaesthesia used in laparoscopic sterilization and describe the steps of laparoscopic sterilization correctly	K	KH	Symposium/ Lecture with video demonstration  Demonstration in theatre	SAQ  Viva		Phase 3, part 1	30 min
4	At the end of the 6 <sup>th</sup> semester FP posting, the phase 3, part 1 student should be able to  Enumerate the types of anaesthesia used and describe the steps of PPS correctly	K	KH	Symposium/Lecture with video demonstration Demonstration in theatre	SAQ  Viva		Phase 3, part 1	30 min

5	At the end of the 6 <sup>th</sup> semester FP posting, the phase 3, part 1 student should be able to  Identify the various instruments used in PPS & laparoscopic sterilization	K	KH	Small group teaching in OT	Viva		Phase 3, part 1	15 min
6	At the end of the 6 <sup>th</sup> semester FP posting, the phase 3, part 1 student should have  Observed at least one laparoscopic sterilization/video demonstration & should have observed one PPS And at the end of CRRI, should have assisted in at least one PPS	K/S	SH	Demonstration and observation in OT	Logbook  DOPS(CRRI)  Viva		Phase 3, part 1  CRRI	30 min
7	At the end of the 6 <sup>th</sup> semester FP posting, the phase 3, part 1 student should be able to  Describe the complications & postoperative management of a patient who has undergone PPS/ laparoscopic sterilization	K	KH	Symposium/lecture  Small group teaching in OT/ward	SAQ  Viva		Phase 3, part 1	15 min

**Learning Objective of the Topic Number : 38.4**

Number	COMPETENCY The student should be able to:	Domain K/S/A/C	Level K/KH/SH/P	Suggested Teaching Learning method	Suggested Assessment method	Vertical Integration Horizontal Integration	Year	Hours
OG 38.4	Asses the need for and issue proper medical certificates to patients for various purposes	K/S/A/C	KH	Bedside clinics, small group teaching	Clinical assesment/ Viva voce		Phase 3 part2	1 hour

	<b>Learning Objectives derived</b>	Domain K/S/A/C	Level K/KH/SH/P	Suggested Teaching Learning method	Suggested Assessment method	Vertical Integration Horizontal Integration	Year	Hours
1	At the end of the session phase3part 2 student should be able to asses the need for medical certificates for various purposes knowing the medico-legal implications	K/S	KH	Bedside clinics	Clinical assesment	Forensic medicine	Phase 3 part2	15 mts
2	At the end of the session phase3part2 students should be able to draft out a proper medical certificate	K/S	KH	Small group teaching	Written		Semester 8	15 mts

3	At the end of the session phase3part2 students should be able to communicate and counsel the patient regarding the issue of medical certificate knowing very well the medico-legal implications	K/S/A/C	KH	Small group teaching/role play	Written		Semester 8	30mts
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