



DEPARTMENT OF GYNECOLOGY & OBSTETRICS
BAQAI MEDICAL COLLEGE

STUDY GUIDE
MBBS 2020-2021



BAQAI MEDICAL UNIVERSITY

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VISION & MISSION

Baqai Medical University Vision Statement:

Baqai Medical University is a community based and community-oriented center of excellence striving to mold students to become competent and caring health professionals, groomed to be social leaders capable of improving health, education and socioeconomic well-being locally, nationally and globally.

Baqai Medical University Mission Statement:

The mission of Baqai Medical College is to be recognized as a center of excellence in education, research, patient care and community services by producing highly capable and knowledgeable professionals

Baqai Medical College Vision Statement:

Our vision is to enhance the access and excellence in medical education and research, with the aim of capacity building of students and faculty through innovations, and science and technology competencies, to achieve rapid and sustainable health. The medical graduate thus produced will be informed and trained enough to serve the community better, and to be advisor to the national and international health organizations.

Baqai Medical College Mission Statement:

The mission of the Baqai medical college is to produce medical graduates, who are accomplished individuals and have skills for problem solving, clinical judgment, research & leadership for medical practice at the international level and are also aware of the health problems of the less privileged rural and urban population of Pakistan.

OUTCOMES OF THE MBBS PROGRAM

The Baqai University graduate of the MBBS program will be able to:

1. Utilize knowledge of basic and clinical sciences for patient care.
2. Take Focused history, perform physical examination, formulate a diagnosis and management plan for common health problems.
3. Require professional behaviors that embodies lifelong learning, altruism, empathy and cultural sensitivity in provision health care service.
4. Identify problems, critically review literature, conduct research and disseminate knowledge
5. Lead other team members as per situational needs for quality health service.
6. Apply evidence-based practices for protecting, maintaining and promoting the health of individuals, families and community.

POLICIES AND PROCEDURES

Code of Conduct and Maintenance of Discipline of Students Regulations

Under section 25(e) BMU Act.1996

All University students shall be under the full disciplinary control of the University. No students shall be allowed to participate in politics. The action against the act of indiscipline shall include fines, debarring from attending class and cancellation of admission, depending on the gravity of indiscipline.

The following shall constitute acts of indiscipline for which action may be taken against the student or students:

- (a) Breach of any rule public morals, such as:
 - Use of indecent or filthy language;
 - Use of immodest dress;
 - Use of undesirable remarks or gestures; and
 - Disorderly behavior, such as shouting, abusing, quarrelling, fighting and insolence.
- (b) Defiance of authority
- (c) Action, defamatory of and derogatory to Islam
- (d) Immorality
- (e) Being found under the effect of an intoxicant or misuse of drugs including marijuana, LSD dope and other opioids.
- (f) False personation or giving false information or willful suppression of information, cheating or deceiving.
- (g) Inciting or staging a walk-out, a strike or an unauthorized procession.
- (h) Shouting of slogans derogatory to the prestige of the University or the reputation of its officers or teachers.
- (i) Visiting without a pass places which are not to be visited without a pass.
- (j) Visiting places declared out of bounds for students

Every student must carry his / her Identity Card which will be open to examination and will be demanded at the time of entrance to the various University Faculties and functions.

No. student will be admitted to the facilities of the library, transport or the canteen unless he /she is in possession of the Identity Card.

INTRODUCTION OF OBSTETRICS & GYNAECOLOGY

Introduction

Obstetrics and Gynaecology deals with reproductive health of women. It evolves basic sciences, basic principle of medicine and surgery as well as endocrinology. It deals with preventive as well as curative medicine along with surgical intervention as well as non-invasive techniques to deal with pathological condition of women from puberty to menopause.

Rationale

Obstetrics deals absolutely with all problems related with pregnancy whereas gynaecology is mainly concerned with all issue related with reproductive health of a woman along with menopausal problems. It is further disseminated in accordance with specific condition.

STUDENTS' INSTRUCTIONS FOR CLINICAL ROTATION

1. Introduce yourself and take consent before taking the history and clinical examination.
2. Be gentle and polite during taking the history.
3. If there is language problem take the help of interpreter.
4. Please avoid cross talking.
5. Put cell phones on silent mode.
6. Always have a female student or a nursing staff while taking history and clinical examination.
7. Provide a separate examination room for the patient along with her female attendant to ensure her privacy.
8. Avoid overcrowding of students in the examination room.
9. Explain all the methodology of clinical review in a stepwise manner.
10. Consent and counseling must be done regarding the diagnosis, steps of management and consequences.
11. In case of an aggression shown by any patient or attendant, involve the supervisor and head of the department.

STUDENTS RESPONSIBILITIES

Students must attend:

1. Atleast 2-clinics (OPD) per week.
2. Atleast 2- operating session per week.
3. Ward round and bedside discussion.
4. Labour room observation 1-2 times / week

- Immediate supervisors S.R/Residents on-call
- Assigned areas Supervisor will allocate the Tasks in the following work Areas: LR, or, ER, IVU, Obs/Gyne ward.

During the clinical rotation:

1. They must enter their activity in log book.
2. Submit assignments.
3. Case based presentation on MS-Power point twice weekly mentioning Year, Clinical group and Roll numbers for record keeping.

TEACHING AREA AND TEACHING AIDS

Clinical Teaching Area

Fatima Hospital

1. Lecture halls
2. Tutorial rooms
3. LRC (Skills Lab)
4. A. Out Patient Department
 - a. Gynaecology Clinic (6 days/week)
 - b. Obstetrics Clinic (6 days/week)
- B. Inpatient Department
 - Tutorial (1)
 - Seminar Room (1)
 - Board Room (1)
 - HDU (1)
 - O.T (Obstetrics in front of labour room)
 - O.T (Main O.T for Gynaecological surgeries)

Teaching Aids

- Television monitoring LW
- Slide projector
- Multimedia
- Flip charts
- Full body mannequin
- Birth demonstrator
- Examination dummy
- Surgical equipment
- Surgical specimens
- X – Rays
- CTG machines
- Ultrasound machines

INSTRUCTIONAL STRATEGIES

- Lectures
- Clinical teaching (Bedside Teaching, SGD)
- Tutorial
- Assignments
- Workshops

LIST OF FACULTY

S. No.	Name of Faculty	Designation	Email Address
1	Prof. Dr. Farrukh Naheed	Head of the Department / Professor	drfarrukhnaheed@baqai.edu.pk
2	Dr. Musharaf Jahan	Associate Professor	drmusharafjahan@baqai.edu.pk
3	Dr. Nikhat Ahsan	Associate Professor	nikhatahsan@baqai.edu.pk
4	Dr. Saadia Akram	Assistant Professor	saadiaakram@baqai.edu.pk
5	Dr. Nazish Ali	Assistant Professor	drnazishgeo@gmail.com
6	Dr. Farah Liaquat	Assistant Professor	syedafarah2009@hotmail.com
7	Dr. Hafiza Yasmeen Abbas	Senior Registrar	yasmeenabbas@baqai.edu.pk

MODULARCOMMITTEE

S. No.	NAME
1	Prof. Dr. Farrukh Naheed
2	Dr. Musharaf Jahan
3	Dr. Nikhat Ahsan
4	Dr. Saadia Akram
5	Dr. Nazish Ali
6	Dr. Farah Liaquat
7	Dr. Hafiza Yasmeen Abbas

THIRD YEAR MBBS

TIME TABLE 3RD YEAR MBBS

SESSION 2021

DAYS	LECTURE -1 8:30 am – 9:30 am	LECTURE – 2 9:30 am – 10:30 am	CLINICS 10:30 am – 1:00 pm	PRAYER & LUNCH 1:00 pm – 1:30 pm	PRACTICAL/TUTORIAL 1:30 pm – 3:30 pm
MONDAY	PATHOLOGY	PHARMACOLOGY	CLINICS	P R A Y E R & L U N C H	Practical Group A – PHARMA Group B – PATHO Group C – F.Med
TUESDAY	PHARMACOLOGY	PATHOLOGY	CLINICS		Practical Group A – PATHO Group B – F.Med Group C – PHARMA
WEDNESDAY	SELF DIRECTED LEARNING	FORENSIC MEDICINE	CLINICS		Practical Group A – F.Med Group B – PHARMA Group C – PATHO
THURSDAY	PHARMACOLOGY	PATHOLOGY	CLINICS		Practical Group A – PHARMA Group B – PATHO
FRIDAY	PHARMACOLOGY	PHARMACOLOGY -18 Community Medicine - 9 Forensic Medicine - 9	CLINICS		Practical Group A – PATHO Group B – PHARMA

LEARNING OBJECTIVES OF CLINICAL ROTATION FOR THIRD YEAR MBBS

At the end of the 2^{1/2} Hours session, the student of third year MBBS will be able to:

Serial no. of topic	Topic	Learning Objectives	Learning Resources	Date & Time	Facilitator	Duration	Venue
1	Orientation of Obstetrics	<ol style="list-style-type: none"> 1. Define the term Obstetrics. 2. Apply the principles of taking obstetrics history. 3. Demonstrate the key components of history taking by presenting it. 	<ul style="list-style-type: none"> • Obstetrics by Ten Teachers 20th Edition. 	10:00 till 12:30 pm	Dr. Nikhat Ahsan	2.5 Hours	Ward
2	Orientation of Gynaecology	<ol style="list-style-type: none"> 1. Define the term Gynaecology. 2. Recall the anatomy of female genital tract. 3. Apply the principles of taking gynecology history. 4. Demonstrate the key components of history taking by presenting it. 	<ul style="list-style-type: none"> • Jeffcoat's principle of Gynaecology 9th Edition. 	10:00 till 12:30 pm	Dr. Farah Liaquat	2.5 Hours	Ward
3	Physiology of Menstruation and Ovulation	<ol style="list-style-type: none"> 1. Define Menstruation. 2. Identify the biological events of menstrual cycle. 3. Obtain the last menstrual date to exclude amenorrhoea. 4. Record the detail menstrual history to exclude any menstrual abnormalities. 	<ul style="list-style-type: none"> • Gynaecology by Ten Teachers 20th edition. • Jeffcoat's principle of Gynaecology 9th Edition. • Gynaecology by Rashid Latif. 	10:00 till 12:30 pm	Dr. Nazish Ali	2.5 Hours	Ward
4	Menstrual irregularities and its terminologies	<ol style="list-style-type: none"> 1. Define "Menstrual irregularities" by explaining different terminologies of abnormal uterine bleeding. 2. Describe the pathological causes of menstrual irregularities. 3. Recognize the clinical features presented in a given scenario. 	<ul style="list-style-type: none"> • Gynaecology by Ten Teachers 20th edition. • Jeffcoat's principle of Gynaecology 9th Edition. • Gynaecology by Rashid Latif. 	10:00 till 12:30 pm	Dr. Nazish Ali	2.5 Hours	OPD

Serial no. of topic	Topic	Learning Objectives	Learning Resources	Date & Time	Facilitator	Duration	Venue
5	Heavy Menstrual Bleeding (HMB)	<ol style="list-style-type: none"> 1. Define HMB 2. Identify the causes of HMB 3. Describe the pathology of menorrhagia. 4. Obtain and record history of HMB. 5. Interpret the investigations for HMB to make a provisional diagnosis. 	<ul style="list-style-type: none"> • Gynaecology by Ten Teachers 20th edition. • Jeffcoat's principle of Gynaecology 9th Edition. • Gynaecology by Rashid Latif. 	10:00 till 12:30 pm	Dr. Nikhat Ahsan	2.5 Hours	Ward
6	Primary Amenorrhea	<ol style="list-style-type: none"> 1. Define and classify amenorrhea. 2. Distinguish the clinical features of primary amenorrhea from secondary amenorrhea. 3. Examine the patient for specific features of primary amenorrhea. 4. Utilize the basic knowledge for the evaluation of primary amenorrhea. 	<ul style="list-style-type: none"> • Gynaecology by Ten Teachers 20th edition. • Jeffcoat's principle of Gynaecology 9th Edition. • Gynaecology by Rashid Latif. 	10:00 till 12:30 pm	Dr. Farah Liaquat	2.5 Hours	OPD
7	Secondary Amenorrhea	<ol style="list-style-type: none"> 1. Define secondary amenorrhea. 2. Identify the patho-physiological events of secondary amenorrhea. 3. Correlate the different clinical features to make a provisional diagnosis of secondary amenorrhea. 4. Select the basic diagnostic tool for the confirmation of diagnosis. 	<ul style="list-style-type: none"> • Gynaecology by Ten Teachers 20th edition. • Jeffcoat's principle of Gynaecology 9th Edition. • Gynaecology by Rashid Latif. 	10:00 till 12:30 pm	Dr. Nazish Ali	2.5 Hours	OPD

Serial no. of topic	Topic	Learning Objectives	Learning Resources	Date & Time	Facilitator	Duration	Venue
8	Physiology of Pregnancy	<ol style="list-style-type: none"> 1. Describe placental hormones, its functions and transfer of metabolites. 2. Discuss the normal physiological changes in cardiovascular, hematological, gastro intestinal and renal system. 3. Recognized her LMP (Last Menstrual Period) to calculate EDD (Expected Delivery Date). 4. Enlist the general physiological symptoms of pregnancy. 	<ul style="list-style-type: none"> • Obstetrics by Ten Teachers 20th Edition, • Barbara Bates 5th Edition. 	10:00 till 12:30 pm	Dr. Saadia Akram	2.5 Hours	Ward
9	Antenatal Care	<ol style="list-style-type: none"> 1. Define Antenatal Care. 2. Use strategies for confirming pregnancy and expected date of delivery. 3. Record the events of pregnancy in a given scenario, according to each trimester. 4. Counsel the patient regarding the breastfeeding, contraception and immunization during antenatal care. 5. Schedule the visits of the pregnancy. 6. Select the appropriate investigations and screening test as routine antenatal care by WHO recommendations. 	<ul style="list-style-type: none"> • Obstetrics by Ten Teachers 20th Edition, • Barbara Bates 5th Edition. 	10:00 till 12:30 pm	Dr. Farah Liaquat	2.5 Hours	OPD
10	Placental Abnormalities	<ol style="list-style-type: none"> 1. Define placenta. 2. Recognize the gross anatomy & functions of normal placenta. 3. Discuss the different types of placental abnormalities. 4. Identify the role of an ultrasound in detecting placental abnormalities. 	<ul style="list-style-type: none"> • Obstetrics by Ten Teachers 20th Edition, • Barbara Bates 5th Edition. 	10:00 till 12:30 pm	Dr. Yasmeen Abbas	2.5 Hours	Labor Room

Serial no. of topic	Topic	Learning Objectives	Learning Resources	Date & Time	Facilitator	Duration	Venue
11	Applied Anatomy of Pelvis + Pelvimetry	<ol style="list-style-type: none"> 1. Explain the boundaries of pelvis. 2. Identify the diameters of pelvis inlet, mid cavity and outlet. 3. Describe the different types of pelvis. 4. Explain the importance of clinical pelvimetry for a labouring patient. 	<ul style="list-style-type: none"> • Obstetrics by Ten Teachers 20th Edition, • Barbara Bates 5th Edition. 	10:00 till 12:30 pm	Dr. Nazish Ali	2.5 Hours	Skill Lab
12	Applied Anatomy of Fetal Skull	<ol style="list-style-type: none"> 1. Identify the clinical anatomy of fetal skull. 2. Describe the diameters of fetal skull and their clinical importance for a normal labour. 3. Discuss the malpositions due to change of obstetrical diameters at term pregnancy. 	<ul style="list-style-type: none"> • Obstetrics by Ten Teachers 20th Edition, • Barbara Bates 5th Edition. 	10:00 till 12:30 pm	Dr. Nazish Ali	2.5 Hours	Skill lab
13	Obstetric examination (P/A)	<ol style="list-style-type: none"> 1. Recognize the importance of obstetrical examination. 2. Relate the gestation period after measuring symphysis fundal height. 3. Demonstrate the Leopard maneuvers. 4. Examine the fetal height by pinnard, fetoscope and by sonicard. 	<ul style="list-style-type: none"> • Obstetrics by Ten Teachers 20th Edition, • Barbara Bates 5th Edition. 	10:00 till 12:30 pm	Dr. Nikhat Ahsan	2.5 Hours	Labour Room
14	Physiology of Labour + Stages of Labour + Phases of Labour	<ol style="list-style-type: none"> 1. Define a normal labour. 2. Describe the physiological events occurring during normal labour. 3. Identify different stages of labour. 4. Obtain and record history of laboring patient. 	<ul style="list-style-type: none"> • Obstetrics by Ten Teachers 20th Edition, • Barbara Bates 5th Edition. 	10:00 till 12:30 pm	Prof. Farrukh Naheed	2.5 Hours	Labour Room
15	Maternal Surveillance (Partogram)	<ol style="list-style-type: none"> 1. Define Partogram. 2. Recognize the norms of Partogram. 3. Identify the importance of maintaining partogram in labouring patient. 4. Interpret the features of Partogram to make a decision for mode of delivery. 	<ul style="list-style-type: none"> • Obstetrics by Ten Teachers 20th Edition, • Barbara Bates 5th Edition. 	10:00 till 12:30 pm	Dr. Yasmeen Abbas	2.5 Hours	Labour Room

Serial no. of topic	Topic	Learning Objectives	Learning Resources	Date & Time	Facilitator	Duration	Venue
16	Fetal Surveillance Cardiotocograph (CTG)	<ol style="list-style-type: none"> 1. Define Cardiotocograph (CTG). 2. Identify the basic features of CTG. 3. Distinguish between antenatal and intrapartum CTG. 4. Interpret the CTG findings to make a decision for the mode of delivery. 5. Explain the stress test. 	<ul style="list-style-type: none"> • Obstetrics by Ten Teachers 20th Edition, • Barbara Bates 5th Edition. 	10:00 till 12:30 pm	Dr. Saadia Akram	2.5 Hours	Labour Room
17	Miscarriages	<ol style="list-style-type: none"> 1. Define miscarriage. 2. Discuss the different types of miscarriages. 3. Recognize the clinical features to diagnose the type of miscarriage. 4. Identify the role of ultrasound for the confirmation of diagnosis. 5. Discuss the management according to the clinical presentation. 	<ul style="list-style-type: none"> • Gynaecology by Ten Teachers 20th edition. • Jeffcoat's principle of Gynaecology 9th Edition. • Gynaecology by Rashid Latif. 	10:00 till 12:30 pm	Dr. Farah Liaquat	2.5 Hours	OT
18	Vaginal Discharge	<ol style="list-style-type: none"> 1. Distinguish between physiological discharge from pathological discharge. 2. Discuss the clinical manifestation of various pathological discharges. 3. Identify the significance of clinical exam i.e. (per speculum examination). 	<ul style="list-style-type: none"> • Gynaecology by Ten Teachers 20th edition. • Jeffcoat's principle of Gynaecology 9th Edition. • Gynaecology by Rashid Latif. 	10:00 till 12:30 pm	Dr. Nazish Ali	2.5 Hours	OPD
19	Pelvic Masses	<ol style="list-style-type: none"> 1. Describe the clinico-pathological features of a pelvic mass. 2. Correlate the pelvic mass to localize its origin. 3. Examine the patient (per abdomen and bimanual pelvic examination). 4. Produce differential diagnosis of a pelvis mass. 5. Suggest the specific diagnostic tool for the confirmation of diagnosis. 	<ul style="list-style-type: none"> • Gynaecology by Ten Teachers 20th edition. • Jeffcoat's principle of Gynaecology 9th Edition. • Gynaecology by Rashid Latif. 	10:00 till 12:30 pm	Dr. Nazish Ali	2.5 Hours	OPD

Serial no. of topic	Topic	Learning Objectives	Learning Resources	Date & Time	Facilitator	Duration	Venue
20	Intrapartum Care (SVD)	<ol style="list-style-type: none"> 1. Define intrapartum care. 2. Recognize the current stage of labour. 3. Record the events of labour by Maternal and Fetal Surveillance charting (CTG and Partogram). 4. Establish the plan for mode of delivery (vaginal or C-Section). 5. Describe the placental separation by control cord traction. 	<ul style="list-style-type: none"> • Obstetrics by Ten Teachers 20th Edition, • Barbara Bates 5th Edition. 	10:00 till 12:30 pm	Dr. Yasmeen Abbas	2.5 Hours	Labour Room
21	C-Section	<ol style="list-style-type: none"> 1. Define C-Section. 2. Enumerate the common indication of C-Section. 3. Distinguish between Emergency and Elective C-Section. 4. Classify the types of C-Section. 5. List the complications of C-Section. 	<ul style="list-style-type: none"> • Obstetrics by Ten Teachers 20th Edition, • Barbara Bates 5th Edition. 	10:00 till 12:30 pm	Dr. Nikhat Ahsan	2.5 Hours	OT

FOURTH YEAR MBBS

TIME TABLE 4TH YEAR MBBS
SESSION 2021

DAYS	LECTURE -1 8:30 am – 9:30 am	LECTURE – 2 9:30 am – 10:30 am	PRACTICAL/TUTORIAL 10:30 am – 1:00 pm		PRAYER & LUNCH 1:00 pm – 1:30 pm	PRACTICAL/TUTORIAL 1:30 pm – 3:30 pm
MONDAY	PATHOLOGY	ENT	CLINICS			EYE & ENT
TUESDAY	PATHOLOGY	OPHTHALMOLOGY	CLINICS			PATHOLOGY
WEDNESDAY	COMMUNITY MEDICINE	PATHOLOGY	CLINICS			PATHOLOGY
THURSDAY	GYN/OBS	COMMUNITY MEDICINE	Community Medicine Field Visit Research Methodology Evidence Based Medicine			
FRIDAY	GYN/OBS	GYN/OBS	TUTORIAL 1 10:30 am – 12 noon	TUTORIAL 2 12 noon – 1:00 pm		CLINICS

MODULES (1 – 4)

Subject: Gynaecology + Obstetrics

Module 1		
Topics	1.a (Pre-Conception& ANC*)	1.b (Reproductive Health)
	1. Pre-natal Screening	1. Physiology of Menstruation / Ovulation
	2. Physiology of pregnancy	2. Abnormal uterine bleeding.
	3. Antenatal care	3. Abortion
	4. High risk pregnancy (Twin)	4. Ectopic pregnancy
	5. High risk pregnancy (Breech)	5. Contraception

- (ANC= Antenatal Care)

Module 2		
Topics	2.a (Labour)	2.b (Urogynaecology)
	1. Basic physiology of labour, stages, phases of labour, Induction of labour	1. Vaginal discharge
	2. Intrapartum care	2. Pelvic inflammatory disease
	3. Mode of Delivery (Vaginal, Instrumental vaginal delivery and C-Section)	3. Endometriosis
	4. Postpartum care	4. Genito urinary syndrome / Menopause
	5. Preterm labour	5. POP (pelvic organ prolapsed)

Module 3		
Topics	3.a (Obstetrics Emergencies)	3.b (Gyne Endocrinology)
	1. Antepartum haemorrhage (Placenta Abrupto)	1. Primary amenorrhea
	2. Antepartum haemorrhage (Placenta Previa)	2. Secondary amenorrhea
	3. Postpartum haemorrhage	3. Polycystic ovarian syndrome (PCO's)
	4. 3 delays and maternal mortality	4. Female infertility
	5. Complications of previous scar c-section	5. Male infertility

Module 4		
Topics	4.a (Feto-Maternal Medicine)	4.b (Gynaecological Tumors)
	1. Pregnancy induced hypertension	1. Cervix
	2. Gestation diabetes mellitus	2. Uterus
	3. Anaemia in pregnancy	3. Ovaries
	4. Thyroid disorders in pregnancy	4. GTD (Molar)
	5. Rh-incompatibility	
	6. Cholestasis in pregnancy	

INTRODUCTION OF MODULES

1. Introduction to the subject of Obstetrics & Gynaecology.
2. The course content evolved, knowledge based learning by taking lectures and improve cognitive learning by skill based tutorials and effectiveness gained by clinical exposure and counseling of patients (virtual or simulator based).
3. The syllabus is divided into 4 modules for the better understanding of the subject. Each module further discriminates into two components a & b (i.e. obstetrics & gynaecology):

Module 1 (a) Preconception Care and ANC

Basic and essential information regarding the preconception status, the physiology of pregnancy is very important to understand for have a successful conception and better pregnancy outcome. Along with screening of a pregnancy by ANC helpful in high risk pregnancy detection, prevention and cure.

Module 1 (b) Reproductive Health

To develop the concept of reproductive health care of a woman starting from menarche till menopause, understanding of the physiological events (like menstruation and ovulation are very important. This will guide you to understand any abnormal behavior like irregular menstruation, abnormal placentation or unsuccessful pregnancy by miscarriage and the significant of contraception in women reproductive health.

Module 2 (a) Intrapartum Care (Labour)

Provision of knowledge and skills about the intrapartum care and monitoring of term and preterm pregnancy to have successful vaginal delivery, followed by post partum care to avoid complications like PPH.

Module 2 (b) Urogynaecology

The content of module will make the student to learn about the various aspects of uro-genital problems from the prepubertal age (like infectious problems & Endometriosis) along with post-menopausal issue (i.e. pelvic organ prolapsed etc.)

Module 3 (a) Obstetrics Emergencies

The course content of this module will helpful in understanding the causes of obstetrical emergencies that leads to high maternal mortality and morbidity in our community.

Module 3 (b) Gynae Endocrinology

The level of Endocrinology which deals with female reproductive development and functions are included in the content of this module. Male Endocrinology aspects that are found to be essential for fertility are also added.

Module 4 (a) Feto-Maternal Medicine

The student will come to know about the effects of common medical disorder like hypertension, anemia and diabetes etc on the pregnancy and its perinatal outcome, so to apply this knowledge in early detection and learn management protocols.

Module 4 (b) Gynaecological Tumors

All the reproductive tracks mainly cervix, uterus and ovaries have both benign and malignant pathologies. That needs to be screen for early detection. Understanding their causative factors and manifestations of disease knowing the tools of diagnosis and management outlines are included in this module.

LEARNING OBJECTIVES OF FOURTH YEAR MBBS

At the end of the session, the student of fourth year MBBS will be able to:

Module Name or No.	Serial no. of topic	Topic	Learning Objectives	Learning Resources	Time	Facilitator	Duration	Venue
1(a) <u>PRE-CONCEPTION & ANTENATAL CARE</u>	1	Prenatal screening	<ol style="list-style-type: none"> 1. Define prenatal screening. 2. Enlist serum markers for prenatal diagnosis 3. Describe role of ultrasound to screen chromosomal and structural anomalies. 4. Describe CVS and Amniocentesis as prenatal diagnostic test. 	<ul style="list-style-type: none"> • Obstetrics by Ten Teachers 20th Edition. • Dewhurst text book of obstetrics & Gynaecology 9th Edition 	8:30 till 9:30 pm	Dr. Musharraf Jahan	1 hour	1-4 LO in lecture hall no 14
	2	Physiology of pregnancy	<ol style="list-style-type: none"> 1. Describe placental hormones, its functions and transfer of metabolites. 2. Discuss the normal physiological changes in cardiovascular, hematological, gastro intestinal and renal system. 3. Recognize LMP (Last Menstrual Period) to calculate EDD (Expected Delivery Date). 4. Enlist the general physiological symptoms of pregnancy. 	<ul style="list-style-type: none"> • Obstetrics by Ten Teachers 20th Edition. • Dewhurst text book of obstetrics & Gynaecology 9th Edition 	8:30 till 9:30 am	Dr. Musharraf Jahan	1 hour	1-4 LO in lecture hall no 14

Module Name or No.	Serial no. of topic	Topic	Learning Objectives	Learning Resources	Time	Facilitator	Duration	Venue
	3	Antenatal care	<ol style="list-style-type: none"> 1. Define antenatal care 2. Use strategies for confirming pregnancy and expected date of delivery by utilizing Neagle's Rule. 3. Describe the importance of WHO recommended visits for antenatal care. 4. Describe the physiological symptoms of pregnancy during ANC. 5. Record the events of pregnancy in a given scenario, according to each trimester. 6. Schedule the visits of the pregnancy. 7. Select the appropriate investigations and screening test as routine antenatal care by WHO recommendations. 8. Perform the per abdominal examination in a simulated environment on manikin, 9. Counsel the patient regarding the breastfeeding, contraception and immunization during antenatal care. 	<ul style="list-style-type: none"> • Obstetrics by Ten Teachers 20th Edition. • Dewhurst text book of obstetrics & Gynaecology 9th Edition. 	<p>8:30 till 9:30am</p> <p>10:30 till 1:00 pm</p> <p>10:30 till 1:00 pm</p>	<p>Dr. Musharraf Jahan</p> <p>Dr. Saadia Akram</p> <p>Dr. Yasmeen Abbas</p>	<p>1 hour</p> <p>2.5 hours</p> <p>2.5 hours</p>	<p>1-4 LO in lecture hall no 14</p> <p>5-7 LO in OPD</p> <p>8-9 LO in Skill Lab</p>

Module Name or No.	Serial no. of topic	Topic	Learning Objectives	Learning Resources	Time	Facilitator	Duration	Venue
	4	Multiple gestation	<ol style="list-style-type: none"> 1. Define multiple pregnancy. 2. Classify types of multiple pregnancy. 3. Enumerate the risk factors of multiple pregnancy. 4. Describe the diagnostic evaluation for multiple pregnancy. 5. Discuss the clinical manifestation 6. Enlist the complications of multiple pregnancy. 7. Discuss the mode of delivery of multiple pregnancy. 	<ul style="list-style-type: none"> • Obstetrics by Ten Teachers 20th Edition. • Dewhurst text book of obstetrics & Gynaecology 9th Edition. 	8:30 till 9:30am	Dr. Nikhat Ahsan	1 hour	1-7 LO in Lecture hall no 14
	5	Malpresentation (breech)	<ol style="list-style-type: none"> 1. Define malpresentation. 2. Classify the types of breech at term. 3. Enumerate the risk factors of breech presentation at term. 4. Discuss the significance of external cephalic version at term. 5. Formulate the management plan for assisted vaginal breech delivery or elective caesarian section at term 6. Enlist the complications of breech vaginal delivery at term 	<ul style="list-style-type: none"> • Obstetrics by Ten Teachers 20th Edition. • Dewhurst text book of obstetrics & Gynaecology 9th Edition. 	8:30 Till 9:30am	Dr. Musharraf Jahan	1 hour	1-6 LO in lecture hall no 14

Module Name or No.	Serial no. of topic	Topic	Learning Objectives	Learning Resources	Time	Facilitator	Duration	Venue
1(b) <u>REPRODUCTIVE HEALTH</u>	1	Physiology of menstruation / ovulation	<ol style="list-style-type: none"> 1. Define menstruation and ovulation. 2. Describe the biological events of menstrual cycle due to hormonal influence. 3. Identify the last menstrual date to exclude menstrual abnormalities. 	<ul style="list-style-type: none"> • Gynaecology by Ten Teachers 20th edition. • Jeffcoate's principle of Gynaecology. • Gynaecology by Rashid Latif. 	8:30 till 9:30 am	Dr. Saadia Akram	1 hour	1-3 LO in Lecture hall no 14

Module Name or No.	Serial no. of topic	Topic	Learning Objectives	Learning Resources	Time	Facilitator	Duration	Venue
	2	Abnormal uterine bleeding	<ol style="list-style-type: none"> 1. Define abnormal uterine bleeding 2. Compare terminologies regarding abnormal uterine bleeding of woman of reproductive age group 3. Explain the pathophysiology of menstrual disorder and ovulation. 4. Identify the various causes of abnormal uterine bleeding. 5. Describe the current treatment options. 6. Interview a patient with abnormal uterine bleeding to obtain history 7. Organize the sequencing questions for history taking of AUB. 8. Critique the recorded history for self improvement purpose; 9. Observe the gynecological examination (per abdominal+per vaginal) by facilitator to exclude mass. 10. Select the diagnostic test to determine cause of AUB. 11. Outline the management plan. 	<ul style="list-style-type: none"> • Gynaecology by Ten Teachers 20th edition. • Jeffcoate's principle of Gynaecology. • Gynaecology by Rashid Latif. 	<p>8:30 till 9:30 am</p> <p>10:30 till 1:00pm</p>	<p>Dr. Saadia Akram</p> <p>Dr. Yasmeen Abbas</p>	<p>1 hour</p> <p>2.5 hours</p>	<p>1-5 LO in Lecture hall no 14</p> <p>6-11 LO in OPD</p>

Module Name or No.	Serial no. of topic	Topic	Learning Objectives	Learning Resources	Time	Facilitator	Duration	Venue
	3	Abortion and its management	<ol style="list-style-type: none"> 1. Define abortion 2. Classify its different types on basis of signs and symptoms 3. Distinguish between different types of abortion 4. List the causes of recurrent abortion 5. Evaluate relevant investigations and management plan. 6. Discuss post abortal care. 7. Obtain and record history of a patient with abortion 8. Organize the sequence of events for history taking. 9. Correlate history and clinical features to make provisional diagnosis. 10. Justify investigations required for the management. 11. Outline the management plan. 12. Draw the observations regarding the evacuation of uterine cavity for retained product of conception: <ol style="list-style-type: none"> a) medical management b) surgical management 	<ul style="list-style-type: none"> • Gynaecology by Ten Teachers 20th edition. • Jeffcoate's principle of Gynaecology. Gynaecology by Rashid Latif 	<p>8: 30 till 9: 30 am</p> <p>10: 30 till 1: 00pm</p> <p>10: 30 till 1: 00 pm</p>	<p>Prof. Farrukh Naheed</p> <p>Dr. Saadia Akram</p> <p>Dr. Nikhat Ahsan</p> <p>Dr. Yasmeen Abbas</p>	<p>1 hour</p> <p>2.5 hour</p> <p>1.5 hour</p> <p>1 hour</p>	<p>1-6 LOin Lecture hall no 14</p> <p>7-11 LOin Gynae OPD</p> <p>12(a) LO in Gynae Ward</p> <p>12(b) LO in OT</p>

Module Name or No.	Serial no. of topic	Topic	Learning Objectives	Learning Resources	Time	Facilitator	Duration	Venue
	4	Ectopic Pregnancy	<ol style="list-style-type: none"> 1. Define ectopic pregnancy. 2. Enumerate the risk factors of ectopic pregnancy. 3. Recognize the clinical presentation for ruptured ectopic pregnancy. 4. Identify the role of ultrasound and serum beta HCG in detecting un ruptured ectopic pregnancy. 5. Discuss the management options for ruptured as well as un ruptured pregnancy. 	<ul style="list-style-type: none"> • Gynaecology by Ten Teachers 20th edition. • Jeffcoate's principle of Gynaecology. 	8:30 till 9:30 am	Dr. Saadia Akram	1 hour	1-5 LO in Lecture hall no 14
	5	Contraception	<ol style="list-style-type: none"> 1. Define contraception. 2. Identify the epidemiological factors responsible for its prevalence rate. 3. Discuss the different methods of contraception. 4. Compare the efficacies of different contraceptive methods. 5. Describe Emergency contraception in detail. 6. Explain MEC 2015: methods of contraception. 7. Counsel a patient for family planning in a simulated environment. 	<ul style="list-style-type: none"> • Gynaecology by Ten Teachers 20th edition. • Jeffcoate's principle of Gynaecology. • Gynaecology by Rashid Latif. 	10:30 till 1:00 pm	Prof. Farrukh Naheed	2.5 hours	1-7 LO in contraception workshop/tutorial (Seminar room)

Module Name or No.	Serial no. of topic	Topic	Learning Objectives	Learning Resources	Time	Facilitator	Duration	Venue
<u>2.(a) LABOUR</u>	1	<u>LABOUR</u> Applied Anatomy of Pelvis +Pelvimetry	<ol style="list-style-type: none"> 1. Explain the boundaries of pelvis. 2. Identify the diameters of pelvis inlet, mid cavity and outlet. 3. Describe the different types of pelvis. 4. Explain the importance of clinical Pelvimetry for a laboring patient. 5. Describe the diameters of fetal skull and their clinical importance for a normal labour. 6. Discuss the malposition due to change of obstetrical diameters at term pregnancy. 	<ul style="list-style-type: none"> • Obstetrics by Ten Teachers 20th Edition. • Dewhurst text book of obstetrics & Gynaecology 9th Edition. 	8:30 till 9:30 am	Prof. Farrukh Naheed	2.5 hour	1-6 LO in Skill lab
		Applied Anatomy of Fetal Skull.	<ol style="list-style-type: none"> 7. Define normal "LABOUR". 8. Describe the physiological events occurring during normal labour. 9. Identify the stages of labour. 10. Describe the mechanism of labour (video). 		10:30 till 1:00 pm	Dr. Yasmeen Abbas	2.5 hour	7-10 LO in Tutorial and Skills Lab
		Basic physiology of labour, stages, phases of labour	<ol style="list-style-type: none"> 11. Recognize the importance of obstetrical examination. 12. Relate the gestation period after measuring symphysio fundal height. 13. Demonstrate the Leopard maneuvers. 14. Examine the fetal heart by pinnard fetoscope and by sonicaid. 		10:30 till 1:00 pm	Dr. Nikhat Ahsan	2.5 hour	11-14 LO in Labour Room
		Obstetric examination (P/A)	<ol style="list-style-type: none"> 15. Define induction of labour. 16. Enumerate indication for induction of labour. 17. List different methods of induction of 		10:30 till	Dr. Yasmeen	2.5 hour	
		Induction of Labour						

Module Name or No.	Serial no. of topic	Topic	Learning Objectives	Learning Resources	Time	Facilitator	Duration	Venue
	2	Intrapartum care	<ol style="list-style-type: none"> 1. Define Intra Partum care. 2. Discuss basic principles of intra partum care. 3. Recognize the current stage of labour through Bishop Scoring. 4. Record the events of labour by Maternal and Fetal Surveillance charting (CTG and Partogram). 5. Establish the plan for mode of delivery (vaginal and C-section). 6. Describe the significance of AMTSL. 7. Examine the placental separation by control cord traction. <p><u>CTG</u></p> <ol style="list-style-type: none"> 8. Define cardiotocograph (CTG). 9. Identify the basic features of CTG. 10. Interpret the findings of CTG to detect the non reassuring CTG. 11. Relate the observation of CTG with the progress of labour. <p><u>PARTOGRAM</u></p> <ol style="list-style-type: none"> 12. Define Partogram. 13. Recognize the norms of Partogram. 14. Identify the importance of maintaining Partogram in laboring patient. 15. Interpret the features of Partogram to make a decision for mode of delivery. 	<ul style="list-style-type: none"> • Obstetrics by Ten Teachers 20th Edition. • Dewhurst text book of obstetrics & Gynaecology 9th Edition. 	10:30 till 1:00 pm	Dr. Saadia Akram / Dr. Yasmeen Abbas	2.5 hour/ session	1-23 LO in Labour room in 3 session

Module Name or No.	Serial no. of topic	Topic	Learning Objectives	Learning Resources	Time	Facilitator	Duration	Venue
			<p><u>EPI SIOTOMY</u></p> <p>16. Identify the instrument. 17. Classify the types of episiotomy. 18. Discuss the advantages and disadvantages of specific type episiotomy. 19. Recognize the pre requisite of episiotomy.</p> <p><u>SYNTOCINON</u></p> <p>20. Identify the drug 21. Describe the mechanism of action 22. Enumerate the uses of syntocinon 23. Enlist the complications.</p>					
	3	Mode of Delivery (Instrumental vaginal delivery and C-Section)	<p><u>Instrumental Delivery</u></p> <p>1. Identify instruments (forceps / ventouse). 2. Enlist the indications of instrumental vaginal delivery. 3. Describe the prerequisite to fulfill their uses. 4. Discuss the complications.</p> <p><u>C-Section</u></p> <p>5. Identify instruments of C-Section. 6. Enlist indication of emergency and elective C-section. 7. Discuss the preoperative care for C-Section.</p>	<ul style="list-style-type: none"> Obstetrics by Ten Teachers 20th Edition 	<p>10:30 till 1:00 pm</p> <p>10:30 till 1:00 pm</p>	<p>Dr. Yasmeen Abbas</p> <p>Dr. Nazish Ali</p>	<p>2.5 hour</p> <p>2.5 hour</p>	<p>1-4 LO in Skills Lab</p> <p>5-10 LO in OT and Tutorial</p>

Module Name or No.	Serial no. of topic	Topic	Learning Objectives	Learning Resources	Time	Facilitator	Duration	Venue
<u>2.(b) UROGYNAECOLOGY</u>								
	1	Vaginal Discharge	<ol style="list-style-type: none"> 1. Classify physiological and pathological vaginal discharges. 2. Discuss the clinical manifestation of various pathological discharges. 3. Recognize the significance of clinical examination i.e.; per speculum examination. 4. Justify the specific investigations for the confirmation of diagnosis. 5. Suggest the treatment options in accordance with guidelines. 6. Interview a patient with vaginal discharge to record history. 	<ul style="list-style-type: none"> • Gynaecology by Ten Teachers 20th edition. • Jeffcoate's principle of Gynaecology. • Gynaecology by Rashid Latif. 	8:30 till 9:30 am	Dr. Musharraf Jahan	1 hour	1-5 LO in lectureh all no 14
						10:30 till 1:00 pm	Dr. Saadia Akram	2.5 hour
	2	Pelvic Inflammatory Disease	<ol style="list-style-type: none"> 1. Define Pelvic inflammatory disease. 2. Describe the epidemiology of pelvic inflammatory disease. 3. Enumerate risk factors for developing pelvic inflammatory disease. 4. Describe the pathogenesis of pelvic inflammatory disease. 5. Discuss the clinical manifestations of 	<ul style="list-style-type: none"> • Gynaecology by Ten Teachers 20th edition. • Jeffcoate's principle of Gynaecology. • Gynaecology by Rashid Latif. 	8:30 till 9:30 am	Prof. Farrukh Naheed	1 hour	1-7 LO in lectureh all no 14

Module Name or No.	Serial no. of topic	Topic	Learning Objectives	Learning Resources	Time	Facilitator	Duration	Venue
			<p>pelvic inflammatory disease.</p> <p>6. Select the specific investigations for evaluation of diagnosis.</p> <p>7. Discuss the management protocol of Pelvic Inflammatory Disease.</p> <p>8. Interview of both partners (husband and wife) to detect the risk factor of Pelvic Inflammatory Disease.</p>		10:30 till 1:00 pm	Dr. Nazish Ali	2.5 hour	8 LO in OPD
	3	Endometriosis	<p>1. Define endometriosis.</p> <p>2. Explain the pathophysiology.</p> <p>3. Discuss the clinical and pathological classification according to (FIGO).</p> <p>4. Enlist the current treatment option according to clinical classification.</p>	<ul style="list-style-type: none"> Gynaecology by Ten Teachers 20th edition. Jeffcoate's principle of Gynaecology. Gynaecology by Rashid Latif. 	8:30 till 9:30 am	Dr. Farah Liaquat	1 hour	1-4 LO in lecture hall no 14
	4	Genito Urinary Syndrome MENOPAUSE	<p>1. Define Menopause.</p> <p>2. Recognize the terminologies like Peri menopause, induced Menopause and Premature Menopause, Primary Ovarian Insufficiency.</p> <p>3. Describe the classical symptoms of menopause.</p> <p>4. Discuss the management options for menopausal symptoms.</p> <p>5. Counsel the patient for post</p>	<ul style="list-style-type: none"> Gynaecology by Ten Teachers 20th edition. Jeffcoate's principle of Gynaecology. Gynaecology by Rashid Latif 	8:30 till 9:30 Am	Dr. Saadia Akram	1 hour	1-4 LO in lecture hall no 14

Module Name or No.	Serial no. of topic	Topic	Learning Objectives	Learning Resources	Time	Facilitator	Duration	Venue
			menopausal health and life style modification		10:30 till 1:00 pm	Dr. Farah Liaquat	2.5 hour	5 LO in OPD
	5	Pelvic Organ Prolapse	<ol style="list-style-type: none"> 1. Define Pelvic Organ Prolapse 2. Identify the degrees and types of Pelvic Organ Prolapse. 3. Enumerate the anatomical supporting ligament of uterus 4. Discuss etiological factors in Pelvic Organ Prolapse. 5. Recommend the investigating tools(POP Q) to evaluate the degree of prolapse. 6. Formulate management plan for Pelvic Organ prolapse. 7. Obtain and record history of a patient with Pelvic Organ prolapse. 8. Observe examination with facilitator and identify Pelvic Organ prolapsed. 	<ul style="list-style-type: none"> • Gynaecology by Ten Teachers 20th edition. • Jeffcoate's principle of Gynaecology. • Gynaecology by Rashid Latif. 	<p>8:30 till 9:30 am</p> <p>10:30 till 1:00 pm</p>	<p>Dr. Musharraf Jahan</p> <p>Dr. Yasmeen Abbas</p>	<p>1 hour</p> <p>2.5 hour</p>	<p>1-6 LO in lecture hall no 14</p> <p>7-8 LO in OPD</p>

Module Name or No.	Serial no. of topic	Topic	Learning Objectives	Learning Resources	Time	Facilitator	Duration	Venue
			<p>related with previous scar.</p> <p>6. Discuss the mode of delivery and management plan.</p> <p>7. Obtain and record history of a patient with Placenta Previa.</p>		10:30 till 1:00 pm	Dr. Yasmeen Abbas	2.5 hour	7 LO in ward
	3	Post Partum Hemorrhage	<p>1. Define post partum hemorrhage.</p> <p>2. Enumerate risk factors for Post partum hemorrhage.</p> <p>3. Enlist the causes of post partum hemorrhage.</p> <p>4. Describe protocol for managing post partum hemorrhage</p> <p>5. Sequence the steps of management in a simulated environment in a given scenario of PPH.</p>	<ul style="list-style-type: none"> • Obstetrics by Ten Teachers 20th Edition. • Dewhurst text book of obstetrics & Gynaecology 9th Edition. 	8:30 till 9:30 am	Prof. Farrukh Naheed	1 hour	1-4 LO in lecture hall no 14
					10:30 till 1:00 pm	Dr. Farah Liaquat	2.5 hour	5 LO in Skills lab
	4	3 Delay and Maternal Mortality	<p>1. Define and enlist common obstetrical emergencies.</p> <p>2. Describe 3 delays in obstetrical emergencies.</p> <p>3. Discuss the causes of 3 delays in obstetric emergencies</p> <p>4. Outline the strategies to improve 3 delays and maternal mortality.</p>	<ul style="list-style-type: none"> • Obstetrics by Ten Teachers 20th Edition. • Dewhurst text book of obstetrics & Gynaecology 9th Edition. 	8:30 till 9:30 am	Dr. Musharraf Jahan	1 hour	1-4 LO in lecture hall no 14

Module Name or No.	Serial no. of topic	Topic	Learning Objectives	Learning Resources	Time	Facilitator	Duration	Venue
	5	Complication of Previous Scar C-Section	<ol style="list-style-type: none"> Determine the frequency of uterine scar in multiparous women. Identify the obstetric risk/ complications associated with previous scar. Discuss the vaginal mode of delivery (VBAC) 	<ul style="list-style-type: none"> Obstetrics by Ten Teachers 20th Edition. Dewhurst text book of obstetrics & Gynaecology 9th Edition. 	8:30 till 9:30 am	Dr. Saadia Akram	1 hour	1-3 LO in lecture hall no 14
<u>3.(b) GYNE ENDOCRINOLOGY</u>	1	Primary Amenorrhea	<ol style="list-style-type: none"> Define and classify amenorrhea. Distinguish the clinical features of primary amenorrhea from secondary amenorrhea. Enumerate the causes of primary amenorrhea. Utilize the basic knowledge for the evaluation of primary amenorrhea Discuss the management plan for primary amenorrhea. 	<ul style="list-style-type: none"> Gynaecology by Ten Teachers 20th edition. Jeffcoate's principle of Gynaecology. Gynaecology by Rashid Latif. 	8:30 till 9:30 am	Dr. Musharraf Jahan	1 hour	1-5 LO in lecture hall no 14
			<ol style="list-style-type: none"> Interview a patient to record history of primary amenorrhea. Examine the patient for specific features of primary amenorrhea. 		10:30 till 1:00 pm	Dr. Nazish Ali	2.5 hour	6-7 LO in OPD

Module Name or No.	Serial no. of topic	Topic	Learning Objectives	Learning Resources	Time	Facilitator	Duration	Venue
	2	Secondary Amenorrhea	<ol style="list-style-type: none"> 5. Define secondary amenorrhea. 6. Identify the pathophysiological events of secondary amenorrhea. 7. Correlate the different clinical features to make a provisional diagnosis of secondary amenorrhea. 8. Select the basic diagnostic tool for the confirmation of diagnosis. 9. Discuss the management plan. 10. Obtain and record history of a patient with secondary amenorrhea. 	<ul style="list-style-type: none"> • Gynaecology by Ten Teachers 20th edition. • Jeffcoate's principle of Gynaecology. • Gynaecology by Rashid Latif. 	<p>8:30 till 9:30 am</p> <p>10:30 till 1:00 pm</p>	<p>Prof. Farrukh Naheed</p> <p>Dr. Yasmeen Abbas</p>	<p>1 hour</p> <p>2.5 hour</p>	<p>1-5 LO in lecture hall no 14</p> <p>6 LO in OPD</p>
	3	Polycystic Ovarian Syndrome PCO'S	<ol style="list-style-type: none"> 1. Define Polycystic Ovarian Syndrome. 2. Describe the pathophysiological events related with Polycystic Ovarian Syndrome. 3. Recognize the clinical features of Polycystic Ovarian Syndrome. 4. Evaluate the Polycystic Ovarian Syndrome according to Rotterdam criteria and endocrinological basis. 5. Outline the management plan for Polycystic Ovarian Syndrome. 6. Interview a patient with Polycystic Ovarian Syndrome to obtain history. 7. Examine the patient to detect specific 	<ul style="list-style-type: none"> • Gynaecology by Ten Teachers 20th edition. • Jeffcoate's principle of Gynaecology. • Gynaecology by Rashid Latif. 	<p>8:30 till 9:30 am</p> <p>10:30 till 1:00 pm</p>	<p>Dr. Musharraf Jahan</p> <p>Dr. Saadia Akram</p>	<p>1 hour</p> <p>2.5 hour</p>	<p>1-5 LO in lecture hall no 14</p> <p>6-8 LO in OPD</p>

Module Name or No.	Serial no. of topic	Topic	Learning Objectives	Learning Resources	Time	Facilitator	Duration	Venue
			features. 8. Calculate BMI.					
	4	Female Infertility	<ol style="list-style-type: none"> 1. Define infertility. 2. Differentiate between primary and secondary infertility. 3. Categorize different aspects of sub-fertility. 4. Suggest the relevant investigations to evaluate female infertility 5. Formulate the management plan for female infertility. 6. Obtain and record history of a patient with female infertility. 7. Perform a specific general physical and systemic examination related to sub-fertility to reach diagnosis. (BMI, Thyroid, Galactorrhoea, Hirsutism and Pelvic mass) 	<ul style="list-style-type: none"> • Gynaecology by Ten Teachers 20th edition. • Jeffcoat's principle of Gynaecology. • Gynaecology by Rashid Latif. 	<p>8:30 till 9:30 am</p> <p>10:30 till 1:00 pm</p>	<p>Dr. Sarwat Jahan</p> <p>Dr. Sarwat Jahan</p>	<p>1 hour</p> <p>2.5 hour</p>	<p>1-5 LO in lecture hall no 14</p> <p>6-7 LO in OPD</p>
	5	Male Infertility	<ol style="list-style-type: none"> 1. Define Male Infertility. 2. Enumerate risk factors of male infertility. 3. Categorize the causes of male infertility (pretesticular, testicular, and 	<ul style="list-style-type: none"> • Gynaecology by Ten Teachers 20th edition. • Jeffcoate's principle of Gynaecology. 	<p>8:30 till 9:30 am</p>	<p>Dr. Sarwat Jahan</p>	<p>1 hour</p>	<p>1-5 LO in lecture hall no 14</p>

Module Name or No.	Serial no. of topic	Topic	Learning Objectives	Learning Resources	Time	Facilitator	Duration	Venue
			<p>post testicular).</p> <ol style="list-style-type: none"> 4. Evaluate the male infertility. 5. Distinguish between normal and abnormal semen analysis using latest WHO criteria. 	<ul style="list-style-type: none"> • Gynaecology by Rashid Latif. 				
<u>4.(a) FETO-MATERNAL MEDICINE</u>	1	Pregnancy induced hypertension and Eclampsia	<ol style="list-style-type: none"> 1. Define pregnancy induced hypertension. 2. Classify PIH according to severity. 3. Discuss the pathogenesis of PIH. 4. Recognize the clinical manifestation pre eclampsia and eclampsia. 5. Identify the complications due to PIH (Eclampsia and HELLP syndrome) 6. Suggest the appropriate investigations to establish the diagnosis. 7. Anticipate the complications of PIH and eclampsia. 8. Formulate management plan for foeto-maternal surveillance during antenatal period, intrapartum period and 	<ul style="list-style-type: none"> • Obstetrics by Ten Teachers 20th Edition. • Dewhurst text book of obstetrics & Gynaecology 9th edition. 	8:30 till 9:30 am	Dr. Nikhat Ahsan	1 hour	1-8 LO in lecture hall no 14

Module Name or No.	Serial no. of topic	Topic	Learning Objectives	Learning Resources	Time	Facilitator	Duration	Venue
			<p>postpartum period.</p> <p>9. Discuss protocol for management of eclampsia.</p> <p>10. Interview a patient with PIH to obtain history.</p> <p>11. Discuss history with facilitator.</p> <p>12. Perform relevant general physical examination to determine the features of imminent eclampsia and HELLP syndrome.</p> <p>MAGNESIUM SULPHATE:</p> <p>13. Identify the drug</p> <p>14. Describe mode of action of MgSO₄.</p> <p>15. Discuss the protocol of MgSO₄ for prophylaxis and for the treatment of eclampsia.</p> <p>16. Describe the systemic effects of MgSO₄ toxicity.</p>		10:30 till 1:00 pm	Dr. Yasmeen Abbas	2.5 hour	9-16 LO in Labour Room
	2	Gestational diabetes mellitus	<p>1. Define gestational diabetes.</p> <p>2. Explain the pathophysiology of maternal hyperglycemia.</p> <p>3. Identify the risk factors for gestational diabetes.</p> <p>4. Enumerate maternal and fetal complications of gestational diabetes.</p>	<ul style="list-style-type: none"> • Obstetrics by Ten Teachers 20th Edition. • Dewhurst text book of obstetrics & Gynaecology 9th Edition. 	8:30 till 9:30 am	Prof. Farrukh Naheed	1 hour	1-6 LO in lecture hall no 14

Module Name or No.	Serial no. of topic	Topic	Learning Objectives	Learning Resources	Time	Facilitator	Duration	Venue
			5. Discuss the screening and diagnostic test for gestational diabetes. 6. Enlist the current treatment option for gestational diabetes. 7. Interview a patient with gestational diabetes to obtain history. 8. Counsel patient for life style modification, diet control and pharmacological therapy. 9. Inspect the management of hyperglycemia in laboring patient.		10:30 till 1:00 pm	Dr. Saadia Akram	1.5 hour	7-8 LO in ward
	3	Anemia in pregnancy	1. Define anemia in pregnancy. 2. Classify anemia in pregnancy. 3. Enumerate its etiological factor. 4. Describe pathophysiology of iron deficiency anemia in pregnancy. 5. Explain the diagnostic algorithm of iron deficiency of anemia. 6. Relate the laboratory findings to diagnose iron deficiency anemia. 7. Outline management of for correction of anemia 8. Obtain and record history of a patient with anemia. 9. Discuss the history with facilitator.	<ul style="list-style-type: none"> • Obstetrics by Ten Teachers 20th Edition. • Dewhurst text book of obstetrics & Gynaecology 9th Edition. 	8:30 till 9:30 am	Dr. Saadia Akram	1 hour	1-7 LO in lecture hall no 14
					10:30 till 1:00 pm	Dr. Yasmeen Abbas	2.5 hour	8-10 LO in OPD/ward

Module Name or No.	Serial no. of topic	Topic	Learning Objectives	Learning Resources	Time	Facilitator	Duration	Venue
			10. Perform relevant general physical and systemic examination					
	4	Thyroid disorder in pregnancy	<ol style="list-style-type: none"> 1. Explain the physiological role of Thyroid hormone in fetal development during pregnancy. 2. Classify the disorders according to the manifestations of clinical features. 3. Describe the clinical significance of screening pregnant women for thyroid disorders in first trimester. 4. Discuss the effects of hypothyroidism and hyperthyroidism during pregnancy. 5. Enlist the recommended treatment options for hypothyroidism and hyperthyroidism during pregnancy. 	<ul style="list-style-type: none"> • Obstetrics by Ten Teachers 20th Edition. • Dewhurst text book of obstetrics & Gynaecology 9th Edition. 	8:30 till 9:30 am	Prof. Farrukh Naheed	1 hour	1-5 LO in lecture hall no 14
	5	Rh-Incompatibility	<ol style="list-style-type: none"> 1. Define iso-immunization and Rhesus factor. 2. Identify causes. 3. Describe the pathophysiology of Rh-incompatibility. 4. Suggest the appropriate investigations for the evaluation of Rh-incompatibility during antenatal care. 	<ul style="list-style-type: none"> • Obstetrics by Ten Teachers 20th Edition. • Dewhurst text book of obstetrics & Gynaecology 9th Edition. 	8:30 till 9:30 am	Dr. Musharraf Jahan	1 hour	1-5 LO in lecture hall no 14

Module Name or No.	Serial no. of topic	Topic	Learning Objectives	Learning Resources	Time	Facilitator	Duration	Venue
			5. Recall the protocol for its prophylaxis.					
	6	Cholestasis in pregnancy	<ol style="list-style-type: none"> 1. Define cholestasis of pregnancy. 2. Describe the pathophysiology of cholestasis of pregnancy. 3. Recognize the clinical features of cholestasis of pregnancy. 4. Discuss its possible fetomaternal complications. 5. Correlate the relevant investigations to confirm the diagnosis. 6. Enlist the treatment options to minimize its complications. 	<ul style="list-style-type: none"> • Obstetrics by Ten Teachers 20th Edition. • Dewhurst text book of obstetrics & Gynaecology 9th Edition. 	8:30 till 9:30 am	Prof. Farrukh Naheed	1 hour	1-6 LO in lecture hall no 14
<small>5.107</small> GYNACOLOGICAL TUMORS	1	Tumors of cervix	<ol style="list-style-type: none"> 1. Identify the risk factors for cervical cancers. 2. Discuss the pathophysiological classification according to FIGO. 3. Describe the clinical features to make a provisional diagnosis. 4. Suggest the investigations for its 	<ul style="list-style-type: none"> • Gynaecology by Ten Teachers 20th edition. • Jeffcoate's principle of Gynaecology. • Gynaecology 	8:30 till 9:30 am	Dr. Musharraf Jahan	1 hour	1-5 LO in lecture hall no 14

Module Name or No.	Serial no. of topic	Topic	Learning Objectives	Learning Resources	Time	Facilitator	Duration	Venue
			<p>screening and detail evaluation to approach the diagnosis.</p> <p>5. Outline the management plan.</p> <p>6. Obtain and record history of woman with irregular vaginal spotting or post coital bleeding.</p> <p>7. Inspect the cervix during P/S examination done by facilitator for taking pap smear and cervical biopsy.</p> <p>8. Define pap smear.</p> <p>9. Describe the significance of pap smear</p> <p>10. Demonstrate method of taking pap smear in simulated environment on manikin.</p> <p>11. Enlist types of cervical screening.</p> <p>12. Enumerate cytological classification of smear.</p> <p>13. Describe significance of colposcopy for further management.</p>	by Rashid Latif.	<p>10:30 till 1:00 pm</p> <p>10:30 till 1:00 pm</p>	<p>Dr. Nazish Ali</p> <p>Dr. Farah Liaquat</p>	<p>2.5 hour</p> <p>2.5 hour</p>	<p>6-7 LO in OPD</p> <p>8-13 LO in skill lab</p>
	2	Tumors of uterus	<p>BENIGN TUMORS :FIBROID</p> <p>1. Identify the specimen(uterus with fibroids)</p> <p>2. Classify uterine fibroids according to anatomical location and clinical manifestation.</p> <p>3. Describe the pathophysiology of</p>	<ul style="list-style-type: none"> Gynaecology by Ten Teachers 20thedition. Jeffcoate's principle of Gynaecology. Gynaecology by Rashid 	10:30 till 1:00 pm	Dr. Saadia Akram	2.5 hour	1-6 LO in Tutorial(skill lab)

Module Name or No.	Serial no. of topic	Topic	Learning Objectives	Learning Resources	Time	Facilitator	Duration	Venue
			<p>fibroids.</p> <ol style="list-style-type: none"> 4. Justify the investigations for the diagnosis and further management. 5. Enumerate the complications due to fibroids in pregnancy. 6. Outline the management plan of fibroids with or without pregnancy. 7. Obtain and record history of a patient with pelvic mass. 8. Perform per abdominal examination specifically to palpate pelvic mass with facilitator. 9. Correlate the pelvic mass origin to exclude the diagnosis. <p>MALIGNANT TUMORS: ENDOMETRIAL CARCINOMA</p> <ol style="list-style-type: none"> 1. Identify the risk factors and causes of endometrial carcinoma. 2. Describe the pathophysiology of endometrial carcinoma. 3. Recognize the clinical features of 	Latif.	<p>10:30 till 1:00 pm</p> <p>8:30 till 9:30 am</p>	<p>Dr. Nikhat Ahsan</p> <p>Dr. Musharraf Jahan</p>	<p>2.5 hour</p> <p>1 hour</p>	<p>LO 7-9 in OPD</p> <p>1-6 LO in lecture hall no</p>

Module Name or No.	Serial no. of topic	Topic	Learning Objectives	Learning Resources	Time	Facilitator	Duration	Venue
			<p>endometrial carcinoma.</p> <p>4. Classify endometrial carcinoma according to FIGO classification.</p> <p>5. Suggest the investigations and diagnostic tools required for provisional diagnosis.</p> <p>6. Explain the steps of management according to FIGO classification of tumor grading.</p> <p>ENDOMETRIAL SAMPLING:</p> <p>7. Define Endometrial Sampling.</p> <p>8. Enlist Indication for endometrial sampling.</p> <p>9. Identify the pre-requisites for endometrial sampling (endometrial biopsy) in procedure room.</p> <p>10. Write down the consent for taking endometrial biopsy.</p> <p>11. Describe methods available for taking endometrial biopsy.</p> <p>12. Identify instruments used in dilatation and curettage.</p> <p>13. Identify Instrument(Pipelle).</p> <p>14. Enlist complications of the procedure</p>		10:30 till 1:00 pm	Dr. Yasmeen Abbas	2.5 hour	14 7-14 LO in OT
					10:30	Dr.	2.5 hour	15 LO in

Module Name or No.	Serial no. of topic	Topic	Learning Objectives	Learning Resources	Time	Facilitator	Duration	Venue
			15. Practice the endometrial sampling in a simulated environment on a pelvic model.		till 1:00 pm	Saadia Akram		skill lab
	3	Tumors of ovary	<p>BENIGN OVARIAN CYST:</p> <ol style="list-style-type: none"> 1. Classify the types of Ovarian Cyst (pathological or non pathological) 2. Explain its prevalence and etiological Risk factors. 3. Recognize the clinical features of ovarian cyst. 4. Describe approach for its evaluation. 5. Discuss the management options (medical as well surgical). <p>MALIGNANT TUMORS:</p> <ol style="list-style-type: none"> 6. Identify the risk factors for ovarian cancers. 7. Classify the ovarian tumors according to FIGO classification. 8. Describe the pathophysiology of 	<ul style="list-style-type: none"> • Gynaecology by Ten Teachers 20th edition. • Jeffcoate's principle of Gynaecology. • Gynaecology by Rashid Latif. 	<p>10:30 till 1:00 pm</p> <p>8:30 till 9:30 am</p>	<p>Dr. Saadia Akram</p> <p>Dr. Mushararf Jahan</p>	<p>2.5 hour</p> <p>1 hour</p>	<p>1-5 LO in skill lab</p> <p>6-11 LO in lecture hall no 14</p>

Module Name or No.	Serial no. of topic	Topic	Learning Objectives	Learning Resources	Time	Facilitator	Duration	Venue
			<p>ovarian cancer.</p> <p>9. Suggest the investigations for the diagnosis.</p> <p>10. Identify the role of ultrasound and MRI for clinical staging.</p> <p>11. Underline the steps of management according to FIGO classification.</p>					
	4	Gestational Trophoblastic Disease (GTD)	<p>1. Define "Gestational Trophoblastic Disease".</p> <p>2. Classify Gestational Trophoblastic Disease.</p> <p>3. Describe the clinicopathological features of complete and incomplete molar pregnancy.</p> <p>4. Recognize the diagnostic values of S.B.HCG.</p> <p>5. Differentiate the benign from malignant disease.</p> <p>6. Discuss the significance of FIGO Scoring System for the management and prognosis of Choriocarcinoma.</p> <p>7. Obtain & record the history to be discussed with facilitator.</p> <p>8. Summarize the clinical scenario.</p> <p>9. Draw the observation regarding the suction and evacuation of uterine cavity by suction curettage.</p> <p>10. Recall the steps of procedure of</p>	<ul style="list-style-type: none"> Gynaecology by Ten Teachers 20th edition. Jeffcoate's principle of Gynaecology Gynaecology by Rashid Latif. 	<p>8:30 till 9:30 am</p> <p>10:30 till 1:00 pm</p> <p>10:30 till 1:00 pm</p>	<p>Dr. Musharraf Jahan</p> <p>Dr. Saadia Akram</p> <p>Dr. Yasmeen Abbas</p>	<p>1 hour</p> <p>2.5 hour</p> <p>2.5 hour</p>	<p>1-6 LO in lecture hall no 14</p> <p>7-8 in OPD</p> <p>9-11 in Tutorial and OT</p>

Module Name or No.	Serial no. of topic	Topic	Learning Objectives	Learning Resources	Time	Facilitator	Duration	Venue
			evacuation of uterine cavity. 11. Anticipate the complications of procedure.					

FINAL YEAR MBBS

TIME TABLE 5TH YEAR MBBS

SESSION 2021

DAYS	LECTURE -1 8:30 am – 9:30 am	LECTURE – 2 9:30 am – 10:30 am	Tea Break 15 Min	CLINICS 10:45 am – 1:00 pm	PRAYER & LUNCH 1:00 pm – 1:30 pm	TUTORIAL 1:30 pm – 3:30 pm
MONDAY	MEDICINE Lecture	SURGERY		CLINICS	P R A Y E R & L U N C H	TUTORIAL
TUESDAY	MEDICINE Case presentation	GYN/OBS		CLINICS		TUTORIAL
WEDNESDAY	SURGERY	PAEDIATRICS		CLINICS		TUTORIAL
THURSDAY	PSYCHIATRY, DERMATOLOGY & Other Specialties	CLINIC DEPARTMENTAL		CLINICS		TUTORIAL
FRIDAY	CLINIC DEPARTMENTAL	CLINIC DEPARTMENTAL		CLINICS		TUTORIAL

MODULES (1 – 4)

Subject: Gynaecology + Obstetrics

Module 1		
Topics	1.a (Pre-Conception& ANC*)	1.b (Reproductive Health)
	3. Pre-natal Screening	2. Physiology of Menstruation / Ovulation
	4. Physiology of pregnancy	4. Abnormal uterine bleeding.
	5. Antenatal care	5. Abortion
	6. High risk pregnancy (Twin)	6. Ectopic pregnancy
	7. High risk pregnancy (Breech)	6. Contraception

- (ANC= Antenatal Care)

Module 2		
Topics	2.a (Labour)	2.b (Urogynaecology)
	6. Basic physiology of labour, stages, phases of labour, Induction of labour	2. Vaginal discharge
	7. Intrapartum care	3. Pelvic inflammatory disease
	8. Mode of Delivery (Vaginal, Instrumental vaginal delivery and C-Section)	4. Endometriosis
	9. Postpartum care	5. Genito urinary syndrome / Menopause
	10. Preterm labour	6. POP (pelvic organ prolapsed)

Module 3		
Topics	3.a (Obstetrics Emergencies)	3.b (Gyne Endocrinology)
	3. Antepartum haemorrhage (Placenta Abrupto)	2. Primary amenorrhea
	4. Antepartum haemorrhage (Placenta Previa)	4. Secondary amenorrhea
	5. Postpartum haemorrhage	5. Polycystic ovarian syndrome (PCO's)
	6. 3 delays and maternal mortality	6. Female infertility
	7. Complications of previous scar c-section	6. Male infertility

Module 4		
Topics	4.a (Feto-Maternal Medicine)	4.b (Gynaecological Tumors)
	3. Pregnancy induced hypertension	2. Cervix
	4. Gestation diabetes mellitus	4. Uterus
	5. Anaemia in pregnancy	5. Ovaries
	6. Thyroid disorders in pregnancy	7. GTD (Molar)
	8. Rh-incompatibility	
	9. Cholestasis in pregnancy	

INTRODUCTION OF MODULES

4. Introduction to the subject of Obstetrics & Gynaecology.
5. The course content evolved, knowledge based learning by taking lectures and improve cognitive learning by skill based tutorials and effectiveness gained by clinical exposure and counseling of patients (virtual or simulator based).
6. The syllabus is divided into 4 modules for the better understanding of the subject. Each module further discriminate into two components a & b (i.e. obstetrics & gynaecology):

Module 1 (a) Preconception Care and ANC

Basic and essential information regarding the preconception status, the physiology of pregnancy is very important to understand for have a successful conception and better pregnancy outcome. Along with screening of a pregnancy by ANC helpful in high risk pregnancy detection, prevention and cure.

Module 1 (b) Reproductive Health

To develop the concept of reproductive health care of a woman starting from menarche till menopause, understanding of the physiological events (like menstruation and ovulation are very important. This will guide you to understand any abnormal behavior like irregular menstruation, abnormal placentation or unsuccessful pregnancy by miscarriage and the significant of contraception in women reproductive health.

Module 2 (a) Intrapartum Care (Labour)

Provision of knowledge and skills about the intrapartum care and monitoring of term and preterm pregnancy to have successful vaginal delivery, followed by post partum care to avoid complications like PPH.

Module 2 (b) Urogynaecology

The content of module will make the student to learn about the various aspects of uro-genital problems from the prepubertal age (like infectious problems & Endometriosis) along with post menopausal issue (i.e. pelvic organ prolapsed etc.)

Module 3 (a) Obstetrics Emergencies

The course content of this module will helpful in understanding the causes of obstetrical emergencies that leads to high maternal mortality and morbidity in our community.

Module 3 (b) Gynae Endocrinology

The level of Endocrinology which deals with female reproductive development and functions are included in the content of this module. Male Endocrinology aspects that are found to be essential for fertility are also added.

Module 4 (a) Feto-Maternal Medicine

The student will come to know about the effects of common medical disorder like hypertension, anemia and diabetes etc on the pregnancy and its perinatal outcome, so to apply this knowledge in early detection and learn management protocols.

Module 4 (b) Gynaecological Tumors

All the reproductive tracks mainly cervix, uterus and ovaries have both benign and malignant pathologies. That needs to be screen for early detection. Understanding their causative factors and manifestations of disease knowing the tools of diagnosis and management outlines are included in this module.

LEARNING OBJECTIVES OF FINAL YEAR MBBS

At the end of the session, the student of final year MBBS will be able to:

Module Name or No.	Serial no. of topic	Topic	Learning Objectives	Learning Resources	Time	Facilitator	Duration	Venue
1(a) <u>PRE-CONCEPTION & ANTENATAL CARE</u>	1	Prenatal screening	<ol style="list-style-type: none"> 1. Define prenatal screening. 2. Enlist serum markers for prenatal diagnosis 3. Describe role of ultrasound to screen chromosomal and structural anomalies. 4. Describe CVS and Amniocentesis as prenatal diagnostic test. 	<ul style="list-style-type: none"> • Obstetrics by Ten Teachers 20th Edition. • Dewhurst text book of obstetrics & Gynaecology 9th Edition 	8:30 till 9:30 pm	Dr. Musharraf Jahan	1 hour	1-4 LO in lecture hall no 14
	2	Physiology of pregnancy	<ol style="list-style-type: none"> 1. Describe placental hormones, its functions and transfer of metabolites. 2. Discuss the normal physiological changes in cardiovascular, hematological, gastro intestinal and renal system. 3. Recognize LMP (Last Menstrual Period) to calculate EDD (Expected Delivery Date). 4. Enlist the general physiological symptoms of pregnancy. 	<ul style="list-style-type: none"> • Obstetrics by Ten Teachers 20th Edition. • Dewhurst text book of obstetrics & Gynaecology 9th Edition 	8:30 till 9:30 am	Dr. Musharraf Jahan	1 hour	1-4 LO in lecture hall no 14

Module Name or No.	Serial no. of topic	Topic	Learning Objectives	Learning Resources	Time	Facilitator	Duration	Venue
	3	Antenatal care	<ol style="list-style-type: none"> 1. Define antenatal care 2. Use strategies for confirming pregnancy and expected date of delivery by utilizing Neagle's Rule. 3. Describe the importance of WHO recommended visits for antenatal care. 4. Describe the physiological symptoms of pregnancy during ANC. 5. Record the events of pregnancy in a given scenario, according to each trimester. 6. Schedule the visits of the pregnancy. 7. Select the appropriate investigations and screening test as routine antenatal care by WHO recommendations. 8. Perform the per abdominal examination in a simulated environment on manikin, 9. Counsel the patient regarding the breastfeeding, contraception and immunization during antenatal care. 	<ul style="list-style-type: none"> • Obstetrics by Ten Teachers 20th Edition. • Dewhurst text book of obstetrics & Gynaecology 9th Edition. 	<p>8:30 till 9:30am</p> <p>10:30 till 1:00 pm</p> <p>10:30 till 1:00 pm</p>	<p>Dr. Musharraf Jahan</p> <p>Dr. Saadia Akram</p> <p>Dr. Yasmeen Abbas</p>	<p>1 hour</p> <p>2.5 hours</p> <p>2.5 hours</p>	<p>1-4 LO in lecture hall no 14</p> <p>5-7 LO in OPD</p> <p>8-9 LO in Skill Lab</p>

Module Name or No.	Serial no. of topic	Topic	Learning Objectives	Learning Resources	Time	Facilitator	Duration	Venue
	4	Multiple gestation	<ol style="list-style-type: none"> 1. Define multiple pregnancy. 2. Classify types of multiple pregnancy. 3. Enumerate the risk factors of multiple pregnancy. 4. Describe the diagnostic evaluation for multiple pregnancy. 5. Discuss the clinical manifestation 6. Enlist the complications of multiple pregnancy. 7. Discuss the mode of delivery of multiple pregnancy. 	<ul style="list-style-type: none"> • Obstetrics by Ten Teachers 20th Edition. • Dewhurst text book of obstetrics & Gynaecology 9th Edition. 	8:30 till 9:30am	Dr. Nikhat Ahsan	1 hour	1-7 LO in Lecture hall no 14
	5	Malpresentation (breech)	<ol style="list-style-type: none"> 1. Define malpresentation. 2. Classify the types of breech at term. 3. Enumerate the risk factors of breech presentation at term. 4. Discuss the significance of external cephalic version at term. 5. Formulate the management plan for assisted vaginal breech delivery or elective caesarian section at term 6. Enlist the complications of breech vaginal delivery at term 	<ul style="list-style-type: none"> • Obstetrics by Ten Teachers 20th Edition. • Dewhurst text book of obstetrics & Gynaecology 9th Edition. 	8:30 Till 9:30am	Dr. Musharraf Jahan	1 hour	1-6 LO in lecture hall no 14

Module Name or No.	Serial no. of topic	Topic	Learning Objectives	Learning Resources	Time	Facilitator	Duration	Venue
1(b) <u>REPRODUCTIVE HEALTH</u>	1	Physiology of menstruation / ovulation	<ol style="list-style-type: none"> 1. Define menstruation and ovulation. 2. Describe the biological events of menstrual cycle due to hormonal influence. 3. Identify the last menstrual date to exclude menstrual abnormalities. 	<ul style="list-style-type: none"> • Gynaecology by Ten Teachers 20th edition. • Jeffcoate's principle of Gynaecology. • Gynaecology by Rashid Latif. 	8:30 till 9:30 am	Dr. Saadia Akram	1 hour	1-3 LO in Lecture hall no 14

Module Name or No.	Serial no. of topic	Topic	Learning Objectives	Learning Resources	Time	Facilitator	Duration	Venue
	2	Abnormal uterine bleeding	<ol style="list-style-type: none"> 1. Define abnormal uterine bleeding 2. Compare terminologies regarding abnormal uterine bleeding of woman of reproductive age group 3. Explain the pathophysiology of menstrual disorder and ovulation. 4. Identify the various causes of abnormal uterine bleeding. 5. Describe the current treatment options. 6. Interview a patient with abnormal uterine bleeding to obtain history 7. Organize the sequencing questions for history taking of AUB. 8. Critique the recorded history for self improvement purpose; 9. Observe the gynecological examination (per abdominal+per vaginal) by facilitator to exclude mass. 10. Select the diagnostic test to determine cause of AUB. 11. Outline the management plan. 	<ul style="list-style-type: none"> • Gynaecology by Ten Teachers 20th edition. • Jeffcoate's principle of Gynaecology. • Gynaecology by Rashid Latif. 	<p>8:30 till 9:30 am</p> <p>10:30 till 1:00pm</p>	<p>Dr. Saadia Akram</p> <p>Dr. Yasmeen Abbas</p>	<p>1 hour</p> <p>2.5 hours</p>	<p>1-5 LO in Lecture hall no 14</p> <p>6-11 LO in OPD</p>

Module Name or No.	Serial no. of topic	Topic	Learning Objectives	Learning Resources	Time	Facilitator	Duration	Venue
	4	Ectopic Pregnancy	<ol style="list-style-type: none"> 1. Define ectopic pregnancy. 2. Enumerate the risk factors of ectopic pregnancy. 3. Recognize the clinical presentation for ruptured ectopic pregnancy. 4. Identify the role of ultrasound and serum beta HCG in detecting un ruptured ectopic pregnancy. 5. Discuss the management options for ruptured as well as un ruptured pregnancy. 	<ul style="list-style-type: none"> • Gynaecology by Ten Teachers 20th edition. • Jeffcoate's principle of Gynaecology. 	8:30 till 9:30 am	Dr. Saadia Akram	1 hour	1-5 LO in Lecture hall no 14
	5	Contraception	<ol style="list-style-type: none"> 1. Define contraception. 2. Identify the epidemiological factors responsible for its prevalence rate. 3. Discuss the different methods of contraception. 4. Compare the efficacies of different contraceptive methods. 5. Describe Emergency contraception in detail. 6. Explain MEC 2015: methods of contraception. 7. Counsel a patient for family planning in a simulated environment. 	<ul style="list-style-type: none"> • Gynaecology by Ten Teachers 20th edition. • Jeffcoate's principle of Gynaecology. • Gynaecology by Rashid Latif. 	10:30 till 1:00 pm	Prof. Farrukh Naheed	2.5 hours	1-7 LO in contraception workshop/tutorial (Seminar room)

Module Name or No.	Serial no. of topic	Topic	Learning Objectives	Learning Resources	Time	Facilitator	Duration	Venue
<u>2.(a) LABOUR</u>	1	<u>LABOUR</u> Applied Anatomy of Pelvis +Pelvimetry	<ol style="list-style-type: none"> 1. Explain the boundaries of pelvis. 2. Identify the diameters of pelvis inlet, mid cavity and outlet. 3. Describe the different types of pelvis. 4. Explain the importance of clinical Pelvimetry for a laboring patient. 5. Describe the diameters of fetal skull and their clinical importance for a normal labour. 6. Discuss the malposition due to change of obstetrical diameters at term pregnancy. 	<ul style="list-style-type: none"> • Obstetrics by Ten Teachers 20th Edition. • Dewhurst text book of obstetrics & Gynaecology 9th Edition. 	8:30 till 9:30 am	Prof. Farrukh Naheed	2.5 hour	1-6 LO in Skill lab
		Applied Anatomy of Fetal Skull.	<ol style="list-style-type: none"> 7. Define normal "LABOUR". 8. Describe the physiological events occurring during normal labour. 9. Identify the stages of labour. 10. Describe the mechanism of labour (video). 		10:30 till 1:00 pm	Dr. Yasmeen Abbas	2.5 hour	7-10 LO in Tutorial and Skills Lab
		Basic physiology of labour, stages, phases of labour	<ol style="list-style-type: none"> 11. Recognize the importance of obstetrical examination. 12. Relate the gestation period after measuring symphysio fundal height. 13. Demonstrate the Leopard maneuvers. 14. Examine the fetal heart by pinnard fetoscope and by sonicaid. 		10:30 till 1:00 pm	Dr. Nikhat Ahsan	2.5 hour	11-14 LO in Labour Room
		Obstetric examination (P/A)	<ol style="list-style-type: none"> 15. Define induction of labour. 16. Enumerate indication for induction of labour. 17. List different methods of induction of 		10:30 till	Dr. Yasmeen	2.5 hour	
		Induction of Labour						

Module Name or No.	Serial no. of topic	Topic	Learning Objectives	Learning Resources	Time	Facilitator	Duration	Venue
	2	Intrapartum care	<ol style="list-style-type: none"> 1. Define Intra Partum care. 2. Discuss basic principles of intra partum care. 3. Recognize the current stage of labour through Bishop Scoring. 4. Record the events of labour by Maternal and Fetal Surveillance charting (CTG and Partogram). 5. Establish the plan for mode of delivery (vaginal and C-section). 6. Describe the significance of AMTSL. 7. Examine the placental separation by control cord traction. <p><u>CTG</u></p> <ol style="list-style-type: none"> 8. Define cardiotocograph (CTG). 9. Identify the basic features of CTG. 10. Interpret the findings of CTG to detect the non reassuring CTG. 11. Relate the observation of CTG with the progress of labour. <p><u>PARTOGRAM</u></p> <ol style="list-style-type: none"> 12. Define Partogram. 13. Recognize the norms of Partogram. 14. Identify the importance of maintaining Partogram in laboring patient. 15. Interpret the features of Partogram to make a decision for mode of delivery. 	<ul style="list-style-type: none"> • Obstetrics by Ten Teachers 20th Edition. • Dewhurst text book of obstetrics & Gynaecology 9th Edition. 	10:30 till 1:00 pm	Dr. Saadia Akram / Dr. Yasmeen Abbas	2.5 hour/ session	1-23 LO in Labour room in 3 session

Module Name or No.	Serial no. of topic	Topic	Learning Objectives	Learning Resources	Time	Facilitator	Duration	Venue
			and wife) to detect the risk factor of Pelvic Inflammatory Disease.		10:30 till 1:00 pm	Dr. Nazish Ali	2.5 hour	OPD
	3	Endometriosis	<ol style="list-style-type: none"> 1. Define endometriosis. 2. Explain the pathophysiology. 3. Discuss the clinical and pathological classification according to (FIGO). 4. Enlist the current treatment option according to clinical classification. 	<ul style="list-style-type: none"> • Gynaecology by Ten Teachers 20th edition. • Jeffcoate's principle of Gynaecology. • Gynaecology by Rashid Latif. 	8:30 till 9:30 am	Dr. Farah Liaquat	1 hour	1-4 LO in lecture hall no 14
	4	Genito Urinary SyndromeMENOPAUSE	<ol style="list-style-type: none"> 1. Define Menopause. 2. Recognize the terminologies like Peri menopause, induced Menopause and Premature Menopause, Primary Ovarian Insufficiency. 3. Describe the classical symptoms of menopause. 4. Discuss the management options for menopausal symptoms. 5. Counsel the patient for post menopausal health and life style modification 	<ul style="list-style-type: none"> • Gynaecology by Ten Teachers 20th edition. • Jeffcoate's principle of Gynaecology. Gynaecology by Rashid Latif 	8:30 till 9:30 Am 10:30 till 1:00 pm	Dr. Saadia Akram Dr. Farah Liaquat	1 hour 2.5 hour	1-4 LO in lecture hall no 14 5 LO in OPD

Module Name or No.	Serial no. of topic	Topic	Learning Objectives	Learning Resources	Time	Facilitator	Duration	Venue
	5	Pelvic Organ Prolapse	<ol style="list-style-type: none"> 1. Define Pelvic Organ Prolapse 2. Identify the degrees and types of Pelvic Organ Prolapse. 3. Enumerate the anatomical supporting ligament of uterus 4. Discuss etiological factors in Pelvic Organ Prolapse. 5. Recommend the investigating tools(POP Q) to evaluate the degree of prolapse. 6. Formulate management plan for Pelvic Organ prolapse. 7. Obtain and record history of a patient with Pelvic Organ prolapse. 8. Observe examination with facilitator and identify Pelvic Organ prolapsed. 	<ul style="list-style-type: none"> • Gynaecology by Ten Teachers 20th edition. • Jeffcoate's principle of Gynaecology. • Gynaecology by Rashid Latif. 	<p>8:30 till 9:30 am</p> <p>10:30 till 1:00 pm</p>	<p>Dr. Musharraf Jahan</p> <p>Dr. Yasmeen Abbas</p>	<p>1 hour</p> <p>2.5 hour</p>	<p>1-6 LO in lecture hall no 14</p> <p>7-8 LO in OPD</p>

Module Name or No.	Serial no. of topic	Topic	Learning Objectives	Learning Resources	Time	Facilitator	Duration	Venue
	3	Post Partum Hemorrhage	<ol style="list-style-type: none"> 1. Define post partum hemorrhage. 2. Enumerate risk factors for Post partum hemorrhage. 3. Enlist the causes of post partum hemorrhage. 4. Describe protocol for managing post partum hemorrhage 5. Sequence the steps of management in a simulated environment in a given scenario of PPH. 	<ul style="list-style-type: none"> • Obstetrics by Ten Teachers 20th Edition. • Dewhurst text book of obstetrics & Gynaecology 9th Edition. 	<p>8:30 till 9:30 am</p> <p>10:30 till 1:00 pm</p>	<p>Prof. Farrukh Naheed</p> <p>Dr. Farah Liaquat</p>	<p>1 hour</p> <p>2.5 hour</p>	<p>1-4 LO in lecture hall no 14</p> <p>5 LO in Skills lab</p>
	4	3 Delay and Maternal Mortality	<ol style="list-style-type: none"> 1. Define and enlist common obstetrical emergencies. 2. Describe 3 delays in obstetrical emergencies. 3. Discuss the causes of 3 delays in obstetric emergencies 4. Outline the strategies to improve 3 delays and maternal mortality. 	<ul style="list-style-type: none"> • Obstetrics by Ten Teachers 20th Edition. • Dewhurst text book of obstetrics & Gynaecology 9th Edition. 	<p>8:30 till 9:30 am</p>	<p>Dr. Musharraf Jahan</p>	<p>1 hour</p>	<p>1-4 LO In lecture hall no 14</p>
	5	Complication of Previous Scar C-Section	<ol style="list-style-type: none"> 1. Determine the frequency of uterine scar in multiparous women. 2. Identify the obstetric risk/ complications associated with previous scar. 3. Discuss the vaginal mode of delivery (VBAC). 	<ul style="list-style-type: none"> • Obstetrics by Ten Teachers 20th Edition. • Dewhurst text book of obstetrics & Gynaecology 9th Edition. 	<p>8:30 till 9:30 am</p>	<p>Dr. Saadia Akram</p>	<p>1 hour</p>	<p>1-3 LO In lecture hall no 14</p>

Module Name or No.	Serial no. of topic	Topic	Learning Objectives	Learning Resources	Time	Facilitator	Duration	Venue
<u>3.(b) GYNE ENDOCRINOLOGY</u>	1	Primary Amenorrhea	1. Define and classify amenorrhea.	<ul style="list-style-type: none"> Gynaecology by Ten Teachers 20th edition. Jeffcoate's principle of Gynaecology. Gynaecology by Rashid Latif. 	8:30 till 9:30 am	Dr. Musharraf Jahan	1 hour	1-5 LO in lecture hall no 14
			2. Distinguish the clinical features of primary amenorrhea from secondary amenorrhea.		10:30 till 1:00 pm		2.5 hour	6-7 LO in OPD
	2	Secondary Amenorrhea	3. Enumerate the causes of primary amenorrhea.	<ul style="list-style-type: none"> Gynaecology by Ten Teachers 20th edition. Jeffcoate's principle of Gynaecology. Gynaecology by Rashid Latif. 	8:30 till 9:30 am	Prof. Farrukh Naheed	1 hour	1-5 LO in lecture hall no 14
			4. Utilize the basic knowledge for the evaluation of primary amenorrhea		10:30 till 1:00 pm		2.5 hour	6 LO in OPD
			5. Discuss the management plan for primary amenorrhea.					
			6. Interview a patient to record history of primary amenorrhea.					
			7. Examine the patient for specific features of primary amenorrhea.					
			1. Define secondary amenorrhea.					
			2. Identify the pathophysiological events of secondary amenorrhea.					
			3. Correlate the different clinical features to make a provisional diagnosis of secondary amenorrhea.					
			4. Select the basic diagnostic tool for the confirmation of diagnosis.					
			5. Discuss the management plan.					
			6. Obtain and record history of a patient with secondary amenorrhea.					

Module Name or No.	Serial no. of topic	Topic	Learning Objectives	Learning Resources	Time	Facilitator	Duration	Venue
	3	Polcystic Ovarian Syndrome PCO'S	<ol style="list-style-type: none"> 1. Define Polycystic Ovarian Syndrome. 2. Describe the pathophysiological events related with Polycystic Ovarian Syndrome. 3. Recognize the clinical features of Polycystic Ovarian Syndrome. 4. Evaluate the Polycystic Ovarian Syndrome according to Rotterdam criteria and endocrinological basis. 5. Outline the management plan for Polycystic Ovarian Syndrome. 	<ul style="list-style-type: none"> • Gynaecology by Ten Teachers 20th edition. • Jeffcoate's principle of Gynaecology. • Gynaecology by Rashid Latif. 	8:30 till 9:30 am	Dr. Musharraf Jahan	1 hour	1-5 LO in lecture hall no 14
			<ol style="list-style-type: none"> 6. Interview a patient with Polycystic Ovarian Syndrome to obtain history. 7. Examine the patient to detect specific features. 8. Calculate BMI. 		10:30 till 1:00 pm		Dr. Saadia Akram	2.5 hour
	4	Female Infertility	<ol style="list-style-type: none"> 1. Define infertility. 2. Differentiate between primary and secondary infertility. 3. Categorize different aspects of sub-fertility. 4. Suggest the relevant investigations to evaluate female infertility 5. Formulate the management plan for female infertility. 	<ul style="list-style-type: none"> • Gynaecology by Ten Teachers 20thedition. • Jeffcoat's principle of Gynaecology. • Gynaecology by Rashid Latif. 	8:30 till 9:30 am	Dr. Sarwat Jahan	1 hour	1-5 LO in lecture hall no 14

Module Name or No.	Serial no. of topic	Topic	Learning Objectives	Learning Resources	Time	Facilitator	Duration	Venue
			<ol style="list-style-type: none"> 6. Obtain and record history of a patient with female infertility. 7. Perform a specific general physical and systemic examination related to sub-fertility to reach diagnosis. (BMI, Thyroid, Galactorrhoea, Hirsutism and Pelvic mass) 		10:30 till 1:00 pm	Dr. Sarwat Jahan	2.5 hour	6-7 LO in OPD
	5	Male Infertility	<ol style="list-style-type: none"> 1. Define Male Infertility. 2. Enumerate risk factors of male infertility. 3. Categorize the causes of male infertility (pretesticular, testicular, and post testicular). 4. Evaluate the male infertility. 5. Distinguish between normal and abnormal semen analysis using latest WHO criteria. 	<ul style="list-style-type: none"> • Gynaecology by Ten Teachers 20th edition. • Jeffcoate's principle of Gynaecology. • Gynaecology by Rashid Latif. 	8:30 till 9:30 am	Dr. Sarwat Jahan	1 hour	1-5 LO in lecture hall no 14

Module Name or No.	Serial no. of topic	Topic	Learning Objectives	Learning Resources	Time	Facilitator	Duration	Venue
4.(a) <u>FETO-MATERNAL MEDICINE</u>	1	Pregnancy induced hypertension and Eclampsia	<ol style="list-style-type: none"> 1. Define pregnancy induced hypertension. 2. Classify PIH according to severity. 3. Discuss the pathogenesis of PIH. 4. Recognize the clinical manifestation pre eclampsia and eclampsia. 5. Identify the complications due to PIH (Eclampsia and HELLP syndrome) 6. Suggest the appropriate investigations to establish the diagnosis. 7. Anticipate the complications of PIH and eclampsia. 8. Formulate management plan for foeto-maternal surveillance during antenatal period, intrapartum period and postpartum period. 9. Discuss protocol for management of eclampsia. 10. Interview a patient with PIH to obtain history. 11. Discuss history with facilitator. 12. Perform relevant general physical examination to determine the features of imminent eclampsia and HELLP syndrome. 	<ul style="list-style-type: none"> • Obstetrics by Ten Teachers 20th Edition. • Dewhurst text book of obstetrics & Gynaecology 9th edition. 	8:30 till 9:30 am	Dr. Nikhat Ahsan	1 hour	1-8 LO in lecture hall no 14
					10:30 till 1:00 pm	Dr. Yasmeen Abbas	2.5 hour	9-16 LO in Labour Room

Module Name or No.	Serial no. of topic	Topic	Learning Objectives	Learning Resources	Time	Facilitator	Duration	Venue
			<p>MAGNESIUM SULPHATE:</p> <p>13. Identify the drug</p> <p>14. Describe mode of action of MgSO₄.</p> <p>15. Discuss the protocol of MgSO₄ for prophylaxis and for the treatment of eclampsia.</p> <p>16. Describe the systemic effects of MgSO₄ toxicity.</p>					
	2	Gestational diabetes mellitus	<p>1. Define gestational diabetes.</p> <p>2. Explain the pathophysiology of maternal hyperglycemia.</p> <p>3. Identify the risk factors for gestational diabetes.</p> <p>4. Enumerate maternal and fetal complications of gestational diabetes.</p> <p>5. Discuss the screening and diagnostic test for gestational diabetes.</p> <p>6. Enlist the current treatment option for gestational diabetes.</p> <p>7. Interview a patient with gestational diabetes to obtain history.</p> <p>8. Counsel patient for life style modification, diet control and pharmacological therapy.</p> <p>9. Inspect the management of hyperglycemia in laboring patient.</p>	<ul style="list-style-type: none"> • Obstetrics by Ten Teachers 20th Edition. • Dewhurst text book of obstetrics & Gynaecology 9th Edition. 	<p>8:30 till 9:30 am</p> <p>10:30 till 1:00 pm</p>	<p>Prof. Farrukh Naheed</p> <p>Dr. Saadia Akram</p> <p>Dr. Yasmeen Abbas</p>	<p>1 hour</p> <p>1.5 hour</p> <p>1 hour</p>	<p>1-6 LO in lecture hall no 14</p> <p>7-8 LO in ward</p> <p>9 Lo in labour room</p>

Module Name or No.	Serial no. of topic	Topic	Learning Objectives	Learning Resources	Time	Facilitator	Duration	Venue
	3	Anemia in pregnancy	<ol style="list-style-type: none"> 1. Define anemia in pregnancy. 2. Classify anemia in pregnancy. 3. Enumerate its etiological factor. 4. Describe pathophysiology of iron deficiency anemia in pregnancy. 5. Explain the diagnostic algorithm of iron deficiency anemia. 6. Relate the laboratory findings to diagnose iron deficiency anemia. 7. Outline management of for correction of anemia 8. Obtain and record history of a patient with anemia. 9. Discuss the history with facilitator. 10. Perform relevant general physical and systemic examination 	<ul style="list-style-type: none"> • Obstetrics by Ten Teachers 20th Edition. • Dewhurst text book of obstetrics & Gynaecology 9th Edition. 	8:30 till 9:30 am	Dr. Saadia Akram	1 hour	1-7 LO in lecture hall no 14
					10:30 till 1:00 pm	Dr. Yasmeen Abbas	2.5 hour	8-10 LO in OPD/ward
	4	Thyroid disorder in pregnancy	<ol style="list-style-type: none"> 1. Explain the physiological role of Thyroid hormone in fetal development during pregnancy. 2. Classify the disorders according to the manifestations of clinical features. 3. Describe the clinical significance of screening pregnant women for thyroid disorders in first trimester. 4. Discuss the effects of hypothyroidism and hyperthyroidism during pregnancy. 	<ul style="list-style-type: none"> • Obstetrics by Ten Teachers 20th Edition. • Dewhurst text book of obstetrics & Gynaecology 9th Edition. 	8:30 till 9:30 am	Prof. Farrukh Naheed	1 hour	1-5 LO in lecture hall no 14

Module Name or No.	Serial no. of topic	Topic	Learning Objectives	Learning Resources	Time	Facilitator	Duration	Venue
			5. Enlist the recommended treatment options for hypothyroidism and hyperthyroidism during pregnancy.					
	5	Rh-Incompatibility	<ol style="list-style-type: none"> 1. Define iso-immunization and Rhesus factor. 2. Identify causes. 3. Describe the pathophysiology of Rh-incompatibility. 4. Suggest the appropriate investigations for the evaluation of Rh-incompatibility during antenatal care. 5. Recall the protocol for its prophylaxis. 	<ul style="list-style-type: none"> • Obstetrics by Ten Teachers 20th Edition. • Dewhurst text book of obstetrics & Gynaecology 9th Edition. 	8:30 till 9:30 am	Dr. Musharraf Jahan	1 hour	1-5 LO in lecture hall no 14
	6	Cholestasis in pregnancy	<ol style="list-style-type: none"> 1. Define cholestasis of pregnancy. 2. Describe the pathophysiology of cholestasis of pregnancy. 3. Recognize the clinical features of cholestasis of pregnancy. 4. Discuss its possible fetomaternal complications. 5. Correlate the relevant investigations to confirm the diagnosis. 6. Enlist the treatment options to minimize its complications. 	<ul style="list-style-type: none"> • Obstetrics by Ten Teachers 20th Edition. • Dewhurst text book of obstetrics & Gynaecology 9th Edition. 	8:30 till 9:30 am	Prof. Farrukh Naheed	1 hour	1-6 LO in lecture hall no 14

Module Name or No.	Serial no. of topic	Topic	Learning Objectives	Learning Resources	Time	Facilitator	Duration	Venue
4.(b) GYNAECOLOGICAL TUMORS	1	Tumors of cervix	<ol style="list-style-type: none"> 1. Identify the risk factors for cervical cancers. 2. Discuss the pathophysiological classification according to FIGO. 3. Describe the clinical features to make a provisional diagnosis. 4. Suggest the investigations for its screening and detail evaluation to approach the diagnosis. 5. Outline the management plan. 6. Obtain and record history of woman with irregular vaginal spotting or post coital bleeding. 7. Inspect the cervix during P/S examination done by facilitator for taking pap smear and cervical biopsy. 8. Define pap smear. 9. Describe the significance of pap smear 10. Demonstrate method of taking pap smear in simulated environment on manikin. 11. Enlist types of cervical screening. 12. Enumerate cytological classification of smear. 13. Describe significance of colposcopy for further management. 	<ul style="list-style-type: none"> • Gynaecology by Ten Teachers 20th edition. • Jeffcoate's principle of Gynaecology. • Gynaecology by Rashid Latif. 	8:30 till 9:30 am	Dr. Musharraf Jahan	1 hour	1-5 LO in lecture hall no 14
					10:30 till 1:00 pm	Dr. Nazish Ali	2.5 hour	6-7 LO in OPD
					10:30 till 1:00 pm	Dr. Farah Liaquat	2.5 hour	8-13 LO in skill lab

Module Name or No.	Serial no. of topic	Topic	Learning Objectives	Learning Resources	Time	Facilitator	Duration	Venue
	2	Tumors of uterus	<p>BENIGN TUMORS :FIBROID</p> <ol style="list-style-type: none"> 1. Identify the specimen(uterus with fibroids) 2. Classify uterine fibroids according to anatomical location and clinical manifestation. 3. Describe the pathophysiology of fibroids. 4. Justify the investigations for the diagnosis and further management. 5. Enumerate the complications due to fibroids in pregnancy. 6. Outline the management plan of fibroids with or without pregnancy. 7. Obtain and record history of a patient with pelvic mass. 8. Perform per abdominal examination specifically to palpate pelvic mass with facilitator. 9. Correlate the pelvic mass origin to exclude the diagnosis. 	<ul style="list-style-type: none"> • Gynaecology by Ten Teachers 20thedition. • Jeffcoate's principle of Gynaecology. • Gynaecology by Rashid Latif. 	<p>10:30 till 1:00 pm</p> <p>10:30 till 1:00 pm</p>	<p>Dr. Saadia Akram</p> <p>Dr. Nikhat Ahsan</p>	<p>2.5 hour</p> <p>2.5 hour</p>	<p>1-6 LO in Tutorial(skill lab)</p> <p>LO 7-9 in OPD</p>

Module Name or No.	Serial no. of topic	Topic	Learning Objectives	Learning Resources	Time	Facilitator	Duration	Venue
			<p>MALIGNANT TUMORS: ENDOMETRIAL CARCINOMA</p> <ol style="list-style-type: none"> 1. Identify the risk factors and causes of endometrial carcinoma. 2. Describe the pathophysiology of endometrial carcinoma. 3. Recognize the clinical features of endometrial carcinoma. 4. Classify endometrial carcinoma according to FIGO classification. 5. Suggest the investigations and diagnostic tools required for provisional diagnosis. 6. Explain the steps of management according to FIGO classification of tumor grading. <p>ENDOMETRIAL SAMPLING:</p> <ol style="list-style-type: none"> 7. Define Endometrial Sampling. 8. Enlist Indication for endometrial sampling. 9. Identify the pre-requisites for endometrial sampling (endometrial biopsy) in procedure room. 10. Write down the consent for taking endometrial biopsy. 		<p>8: 30 till 9: 30 am</p> <p>10: 30 till 1: 00 pm</p>	<p>Dr. Musharraf Jahan</p> <p>Dr. Yasmeen Abbas</p>	<p>1 hour</p> <p>2.5 hour</p>	<p>1-6 LO in lecture hall no 14</p> <p>7-14 LO in OT</p>

Module Name or No.	Serial no. of topic	Topic	Learning Objectives	Learning Resources	Time	Facilitator	Duration	Venue
			11. Describe methods available for taking endometrial biopsy. 12. Identify instruments used in dilatation and curettage. 13. Identify Instrument(Pipelle). 14. Enlist complications of the procedure 15. Practice the endometrial sampling in a simulated environment on a pelvic model.		10:30 till 1:00 pm	Dr. Saadia Akram	2.5 hour	15 LO in skill lab
	3	Tumors of ovary	BENIGN OVARIAN CYST: 1. Classify the types of Ovarian Cyst (pathological or non pathological) 2. Explain its prevalence and etiological Risk factors. 3. Recognize the clinical features of ovarian cyst. 4. Describe approach for its evaluation. 5. Discuss the management options (medical as well surgical).	<ul style="list-style-type: none"> Gynaecology by Ten Teachers 20thedition. Jeffcoate's principle of Gynaecology. Gynaecology by Rashid Latif. 	10:30 till 1:00 pm	Dr. Saadia Akram	2.5 hour	1-5 LO in skill lab

Module Name or No.	Serial no. of topic	Topic	Learning Objectives	Learning Resources	Time	Facilitator	Duration	Venue
			<p>MALIGNANT TUMORS:</p> <p>6. Identify the risk factors for ovarian cancers.</p> <p>7. Classify the ovarian tumors according to FIGO classification.</p> <p>8. Describe the pathophysiology of ovarian cancer.</p> <p>9. Suggest the investigations for the diagnosis.</p> <p>10. Identify the role of ultrasound and MRI for clinical staging.</p> <p>11. Underline the steps of management according to FIGO classification.</p>		8:30 till 9:30 am	Dr. Musharraf Jahan	1 hour	6-11 LO in lecture hall no 14
	4	Gestational Trophoblastic Disease (GTD)	<p>1. Define "Gestational Trophoblastic Disease".</p> <p>2. Classify Gestational Trophoblastic Disease.</p> <p>3. Describe the clinicopathological features of complete and incomplete molar pregnancy.</p> <p>4. Recognize the diagnostic values of S.B.HCG.</p> <p>5. Differentiate the benign from malignant disease.</p> <p>6. Discuss the significance of FIGO Scoring System for the management and prognosis of Choriocarcinoma.</p>	<ul style="list-style-type: none"> Gynaecology by Ten Teachers 20th edition. Jeffcoate's principle of Gynaecology Gynaecology by Rashid Latif. 	8:30 till 9:30 am	Dr. Musharraf Jahan	1 hour	1-6 LO in lecture hall no 14

Module Name or No.	Serial no. of topic	Topic	Learning Objectives	Learning Resources	Time	Facilitator	Duration	Venue
			<p>7. Obtained & record the history to be discussed with facilitator.</p> <p>8. Summarize the clinical scenario.</p> <p>9. Draw the observation regarding the suction and evacuation of uterine cavity by suction curettage.</p> <p>10. Recall the steps of procedure of evacuation of uterine cavity.</p> <p>11. Anticipate the complications of procedure.</p>		<p>10:30 till 1:00 pm</p> <p>10:30 till 1:00 pm</p>	<p>Dr. Saadia Akram</p> <p>Dr. Yasmeen Abbas</p>	<p>2.5 hour</p> <p>2.5 hour</p>	<p>7-8 in OPD</p> <p>9-11 in Tutorial and OT</p>

CONTACT HOURS (FOR BATCHES FROM 2021 ONWARDS)

YEAR	LECTURE	CBL	CLINICAL	TUTORIAL	HOURS
1 st Year	<u>3 HOURS</u> 1 hour x 4 Lectures = 4 hours	-----	-----	-----	4 Hours
2 nd Year	<u>2 HOURS</u> 1 hour x 6 Lectures = 6 hours	-----	-----	-----	6 Hours
3 rd Year	-----	-----	<u>100 HOURS</u> 2.5 hrs x 5 days = 12.5 hrs / wk 12.5 hrs x 8 wks = 100 hrs	-----	100 Hours
4 th Year	<u>36 HOURS</u> 1 hour x 4 wks = 4 hrs / month 4 hours x 9 months = 36 hours	<u>72 HOURS</u> 2 hrs x 4 wks = 8 hrs/month 8 hrs x 9 months = 72 hours	<u>60 HOURS</u> 2.5 hrs x 3 days = 7.5 hrs / wk 7.5 hrs x 8 wks = 60 hours	<u>20 HOURS</u> 2.5 hours x 8 wks = 20 hours	188 Hours
Total Hours Covered	1 st Year, 2 nd Year, 3 rd Year and 4 th Year				298 Hours
Required Hours	-----				300 Hours

Contact Hours of Final Year MBBS (Last Batch 2020-21)

YEAR	LECTURE	CBL	CLINICAL	TUTORIAL	HOURS
5 th Year	<u>36 HOURS</u> 1 hr x 4 wk = 4 hrs / month 4 hrs x 9 months = 36 hours	-----	<u>57 HOURS</u> 2.15 hrs x 5 days = 11.15 + 3 = 14.15 hrs / wk 14.15 hrs x 4 wks = 57 hours	<u>40 HOURS</u> 2 hrs x 5 days = 10 hrs / wk 10 hrs x 4 wks = 40 hrs	133 Hours
4 th Year	<u>32 Hours</u> <u>Online Lectures Due to Covid-19 Pandemics</u>	-----	-----	-----	32 Hours
3 rd Year	-----	-----	<u>120 Hours</u>	-----	120 Hours
Total Hours					285 Hours

LEARNING RESOURCES

S. NO.	TITLE	AVAILABILITY
<u>TEXT BOOKS</u>		
1	Ten teachers of gynaecology (20 th edition)	Yes
2	Ten teachers of obstetric (20 th edition)	Yes
3	Jeffcoate's Principles of Gynaecology (9 th edition)	Yes
4	Rashid Latif – Text book of gynaecology (3 rd edition)	Yes
<u>REFERENCE BOOKS</u>		
5	High Risk Pregnancy Vol. I , Vol. II (4 th edition)	Yes
6	Clinical Methods by Hutchisons.	Yes
7	Current Medical Diagnoses of Obstetrics & Gynaecology	Yes
8	Diagnostic Radiology (Jaypee)	Yes
9	Infertility Practice (by Adam. H. Balen)	Yes
<u>REFERENCE JOURNALS</u>		
10	British Journal of Obs & Gynae (BJOG)	Yes
11	American Journal of Obs & Gyne (AJOG)	Yes
<u>GUIDELINES</u>		
12	a. RCOG (International) b. SOGP (Local)	Yes

ASSESSMENT

1. Formative: During clinical rotation.
2. Internal Evaluation/Modular Exams – 20% (Theory 10% + Viva 10%).
3. It is essential to obtain 50% marks (or pass) in all 4 modules otherwise appear in retake exams.
4. Pre-prof. exam can also replace as a retake exam for those who failed in Modular Exams.
5. Summative (Final Assessment by external and internal examiners) at end of the year (session) contributes 80% Marks.

Assessment for Obstetrics

- Formative
 - Log Book
 - Journals
 - Case Based Learning (CBL)
 - Quiz
 - Questions/Answers
 - Assignments
- Summative (200 Marks)
 - 20% (Internal Evaluation) 40 Marks
 - 10% Modular Exam (Theory) 20 Marks
 - Each Modular Exam carry 10 Marks
 - 5 Marks
 - One best type (20 of 0.25 Marks)
 - 10% (TOACS) 20 Marks
 - 5 Obstetrics stations, each carry 4 Marks
 - 80% (Annual Assessment for Obstetrics) 160 Marks
 - 40% (Theory) 80 Marks
 - 50 Marks (50 One best type, each carry 1 mark)
 - 30 Marks (5 SAQs, each carry 6 marks)
 - 40% (Practical/Viva/TOACS) 80 Marks
 - 8 Stations, each carry 10 Marks

Assessment for Gynaecology

- Formative
 - Log Book
 - Journals
 - Case Based Learning (CBL)
 - Quiz
 - Questions/Answers
 - Assignments

- Summative (200 Marks)
 - 20% (Internal Evaluation) 40 Marks
 - 10% Modular Exam (Theory) 20 Marks
 - Each Modular Exam carry 10 Marks
 - 5 Marks
 - One best type (20 of 0.25 Marks)
 - 10% (TOACS) 20 Marks
 - 5 Obstetrics stations, each carry 4 Marks
 - 80% (Annual Assessment for Gynaecology) 160 Marks
 - 40% (Theory) 80 Marks
 - 50 Marks (50 One best type, each carry 1 mark)
 - 30 Marks (5 SAQs, each carry 6 marks)
 - 40% (Practical/Viva/TOACS) 80 Marks
 - 8 Stations, each carry 10 Marks