



**DEPARTMENT OF OBSTETRICS & GYNAECOLOGY  
BAQAI MEDICAL COLLEGE**

**STUDY GUIDE  
MBBS 2024**



**BAQAI MEDICAL UNIVERSITY**

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## VISION & MISSION

### BAQAI MEDICAL UNIVERSITY VISION STATEMENT:

To evolve as a nucleus for higher learning with a resolution to be socially accountable, focused on producing accomplished health care professionals for services in all spheres of life at the national and global level.

### BAQAI MEDICAL UNIVERSITY MISSION STATEMENT:

University is dedicated to the growth of competencies in its potential graduates through dissemination of knowledge for patient care, innovation in scholarship, origination of leadership skills, use of technological advancements and providing noteworthy contributions to society through commendable service.

### 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 and responsible 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 till menopause.

## **Rationale**

Obstetrics dealing absolutely all problems related with pregnancy where as gynaecology is mainly concern with all issue related with reproductive health of a woman along with menopausal problems. It will further be disseminated into sub specialties in accordance with specific condition.

## LIST OF FACULTY

<b>S. No.</b>	<b>Name of Faculty</b>	<b>Designation</b>	<b>Email Address</b>
1	Prof. Dr. Farrukh Naheed	Head of the Department / Professor	drfarrukhnaheed@baqai.edu.pk
2	Dr. Musharraf Jahan	Associate Professor	drmusharafjahan@baqai.edu.pk
3	Dr. Nikhat Ahsan	Associate Professor	nikhatahsan@baqai.edu.pk
4	Dr. Saadia Akram	Associate 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. Naila Qamar	Assistant Professor	naila54@hotmail.com

## 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 along with her female attendant to ensure her privacy.
8. Avoid overcrowding of a student 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 do:

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

- Immediate supervisors                      A.P./S.R. on-call
- Assigned areas                                Supervisor will allocate the  
Tasks in the following work  
Areas: Clinics, LR, ER, HDU  
& 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 (5 days/week)
    - b. Obstetrics Clinic (5 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

## TEACHING METHODOLOGIES

- Lectures
- Clinical teaching
- Tutorials
- Simulations
- Assignments
- Workshops

## NAMES OF THE MODULAR COMMITTEE

<b>S. No.</b>	<b>NAME</b>
1	Prof. Dr. Farrukh Naheed
2	Dr. Musharraf Jahan
3	Dr. Nikhat Ahsan
4	Dr. Saadia Akram
5	Dr. Nazish Ali
6	Dr. Farah Liaquat
7	Dr. Naila Qamar

## FACILITATORS / LECTURERS OF THE SESSION

1. Prof. Dr. Farrukh Naheed
2. Dr. Musharraf Jahan
3. Dr. Nikhat Ahsan
4. Dr. Saadia Akram
5. Dr. Nazish Ali
6. Dr. Farah Liaquat
7. Dr. Naila Qamar

# FIRST YEAR MBBS

## LEARNING OBJECTIVES FOR FIRST YEAR MBBS (LECTURES)

Week	Module Name & No.	Serial no. of topic	Topic	Learning Objectives  At the end of 1 hour interactive lecture, the student of first year MBBS will be able to:	Learning Resources	Facilitator	Duration	Venue
	<b>FOUNDATION</b>	1	Defective Oogenesis and defective Spermatogenesis	<ol style="list-style-type: none"> <li>1. Define Oogenesis and Spermatogenesis</li> <li>2. List the common factors producing defects in oogenesis and spermatogenesis</li> <li>3. Understand the implications of disorders in gametogenesis in affecting reproductive health and fertility</li> <li>4. Identify the common birth defects in numerical abnormalities of chromosomes</li> </ol>	<ul style="list-style-type: none"> <li>• Gynaecology by Ten Teachers 20<sup>th</sup> edition.</li> </ul>	Dr. Nikhat Ahsan	1 Hour	1 <sup>st</sup> Year Lecture Hall
		2	Abnormal Implantation of Fertilized Oocyte(embryo)	<ol style="list-style-type: none"> <li>1. Define implantation</li> <li>2. Explain the stages of implantation</li> <li>3. Define abnormal implantation</li> <li>4. Discuss the etiopathology of abnormal implantation</li> <li>5. List the risk factors causing abnormal implantation</li> <li>6. Memorized the disorders caused by abnormal implantation.</li> </ol>	<ul style="list-style-type: none"> <li>• Gynaecology by Ten Teachers 20<sup>th</sup> edition.</li> </ul>	Dr. Nazish Ali	1 Hour	1 <sup>st</sup> Year Lecture Hall
		3	Placental abnormalities	<ol style="list-style-type: none"> <li>1. Define placenta.</li> <li>2. Discuss briefly the development of normal placenta.</li> <li>3. Understand the gross anatomy of normal placenta.</li> <li>4. Describe various types of placental</li> </ol>	<ul style="list-style-type: none"> <li>• Obstetrics by Ten Teachers 20<sup>th</sup> Edition.</li> </ul>	Dr. Nikhat Ahsan	1 Hour	1 <sup>st</sup> Year Lecture Hall

Week	Module Name & No.	Serial no. of topic	Topic	Learning Objectives	Learning Resources	Facilitator	Duration	Venue
				<p>At the end of 1 hour interactive lecture, the student of first year MBBS will be able to:</p> <p>abnormalities.</p> <p>5. Describe the various functions of the placenta.</p> <p>6. Discuss each type of placental abnormalities individually and its clinical presentation.</p>				
	<b>RESPIRATORY</b>	1	Respiratory changes in pregnancy	<ol style="list-style-type: none"> <li>1. Memorize the ventilatory changes occurring during pregnancy</li> <li>2. Explain the blood gasses and acid base changes during pregnancy</li> <li>3. Describe the ventilatory and anatomical changes giving rise to breathlessness in pregnancy</li> </ol>	<ul style="list-style-type: none"> <li>• Obstetrics by Ten Teachers 20<sup>th</sup> Edition.</li> </ul>	Dr. Nikhat Ahsan	1 Hour	1 <sup>st</sup> Year Lecture Hall
	<b>CARDIOVASCULAR</b>	1	Cardiovascular Physiology of Pregnancy	<ol style="list-style-type: none"> <li>1. Explain the reason of increase heart rate during normal pregnancy.</li> <li>2. Describe the changes in plasma volume and red cell mass.</li> <li>3. Appreciate the changes in cardiac output throughout pregnancy and labour.</li> </ol>	<ul style="list-style-type: none"> <li>• Obstetrics by Ten Teachers 20<sup>th</sup> Edition.</li> </ul>	Dr. Saadia Akram	1 Hour	1 <sup>st</sup> Year Lecture Hall
	<b>BLOOD</b>	1	Haematological changes during pregnancy	<ol style="list-style-type: none"> <li>1. Memorize the haemodynamic changes during pregnancy.</li> <li>2. Explain the cause of physiological anemia in pregnancy.</li> <li>3. Describe the cause of acute weight gain in pregnancy.</li> </ol>	<ul style="list-style-type: none"> <li>• Obstetrics by Ten Teachers 20<sup>th</sup> Edition.</li> </ul>	Dr. Naila Qamar	1 Hour	1 <sup>st</sup> Year Lecture Hall



# SECOND YEAR MBBS

## LEARNING OBJECTIVES FOR SECOND YEAR MBBS (LECTURES)

Week	Module Name & No.	Serial no. of topic	Topic	Learning Objectives  At the end of 1 hour interactive lecture, the student of second year MBBS will be able to:	Learning Resources	Facilitator	Duration	Venue
	<b>RENAL</b>	1	Renal changes during pregnancy	<ol style="list-style-type: none"> <li>1. Describe the anatomical changes occurring during pregnancy.</li> <li>2. Describe the functional changes taking place during pregnancy.</li> <li>3. Explain the reason of glucose in urine of pregnant woman.</li> </ol>	<ul style="list-style-type: none"> <li>• Obstetrics by Ten Teachers 20<sup>th</sup> Edition.</li> </ul>	Dr. Saadia Akram	1 Hour	2 <sup>nd</sup> Year Lecture Hall
		2	Renal and urinary tract disorders in pregnancy	<ol style="list-style-type: none"> <li>1. List the common disorders in pregnancy.</li> <li>2. Discuss the clinical approach of pregnant women with renal disease.</li> <li>3. Enumerate the fetal and maternal outcome with renal diseases in pregnancy.</li> </ol>	<ul style="list-style-type: none"> <li>• Obstetrics by Ten Teachers 20<sup>th</sup> Edition.</li> </ul>	Dr. Nikhat Ahsan	1 Hour	2 <sup>nd</sup> Year Lecture Hall
	<b>REPRODUCTION</b>	1	Anatomical cause of primary amenorrhea	<ol style="list-style-type: none"> <li>1. Discuss the embryology of female genital system.</li> <li>2. Describe the etiology of outflow tract obstruction.</li> <li>3. Classify the congenital anomalies of the genital tract which cause primary amenorrhea.</li> </ol>	<ul style="list-style-type: none"> <li>• Gynaecology by Ten Teachers 20<sup>th</sup> edition.</li> </ul>	Dr. Saadia Akram	1 Hour	2 <sup>nd</sup> Year Lecture Hall
		2	Menstrual irregularities	<ol style="list-style-type: none"> <li>1. Define menstrual irregularities</li> <li>2. How does the HPO axis work</li> <li>3. What are the hormones releases by hypothalamus, pituatary and ovaries</li> <li>4. list the different causes of menstrual irregularities</li> <li>5. Enumerate the clinical features of</li> </ol>	<ul style="list-style-type: none"> <li>• Gynaecology by Ten Teachers 20<sup>th</sup> edition.</li> </ul>	Dr. Naila Qamar	1 Hour	2 <sup>nd</sup> Year Lecture Hall

Week	Module Name & No.	Serial no. of topic	Topic	Learning Objectives	Learning Resources	Facilitator	Duration	Venue
				<p>menstrual irregularities</p> <p>6. Define HMB</p> <p>7. List the different causes of HMB</p> <p>8. Describe the etiology of HMB</p> <p>9. Enumerate the clinical features of HMB.</p>				
		3	Placental injury	<p>1. Define placental injury (Placental Abruption).</p> <p>2. List the causes of placental injury.</p> <p>3. Enumerate the risk factors of placental injury.</p> <p>4. Explain the clinical features of placental injury.</p>	<ul style="list-style-type: none"> <li>Obstetrics by Ten Teachers 20<sup>th</sup> Edition.</li> </ul>	Dr. Nikhat Ahsan	1 Hour	2 <sup>nd</sup> Year Lecture Hall
		4	Secondary amenorrhea affecting reproduction	<p>1. Define amenorrhea.</p> <p>2. Classify the types of amenorrhea.</p> <p>3. Discuss the pathophysiology of secondary amenorrhea.</p> <p>4. Evaluate the causes of secondary amenorrhea.</p>	<ul style="list-style-type: none"> <li>Gynaecology by Ten Teachers 20<sup>th</sup> edition.</li> </ul>	Dr. Farah Liaquat	1 Hour	2 <sup>nd</sup> Year Lecture Hall
	<b>ENDOCRINE</b>	1	Tanner's classification	<p>1. Define Tanner's classification.</p> <p>2. Discuss the normal development of female secondary sex characteristic during puberty.</p> <p>3. Identify the clinical features regarding tanner's classification.</p>	<ul style="list-style-type: none"> <li>Gynaecology by Ten Teachers 20<sup>th</sup> edition.</li> </ul>	Dr. Naila Qamar	1 Hour	2 <sup>nd</sup> Year Lecture Hall

# THIRD YEAR MBBS

## LEARNING OBJECTIVES FOR THIRD YEAR MBBS (LECTURES)

Week	Module Name & No.	Serial no. of topic	Topic	Learning Objectives  At the end of 1 hour interactive lecture, the student of third year MBBS will be able to:	Learning Resources	Facilitator	Duration	Venue
	<b>FOUNDATION</b>	1	Reproductive Medicine	<ol style="list-style-type: none"> <li>1. Define reproductive health and reproductive Medicine.</li> <li>2. Identify the components of reproductive Medicine.</li> <li>3. Describe the Factors affecting reproductive health.</li> <li>4. Endocrinological evaluation of reproductive health.</li> </ol>	<ul style="list-style-type: none"> <li>• Gynaecology by Ten Teachers 20<sup>th</sup> edition.</li> </ul>	Prof. Farrukh Naheed	1 Hour	3 <sup>rd</sup> Year Lecture Hall
		2	Concept of high risk pregnancy	<ol style="list-style-type: none"> <li>1. Define high risk pregnancy.</li> <li>2. Classify the high risk pregnancy.</li> <li>3. Explain the role of preconception care and counselling.</li> </ol>	<ul style="list-style-type: none"> <li>• Obstetrics by Ten Teachers 20<sup>th</sup> Edition.</li> </ul>	Dr. Saadia Akram	1 Hour	3 <sup>rd</sup> Year Lecture Hall
		3	Termination of Pregnancy & Abortion law of Pakistan Penal code	<ol style="list-style-type: none"> <li>1. Define termination of pregnancy.</li> <li>2. Classify the methods used for termination of pregnancy according to gestation period.</li> <li>3. Explain the Pakistan Penal Code Law for termination of pregnancy.</li> </ol>	<ul style="list-style-type: none"> <li>• Gynaecology by Ten Teachers 20<sup>th</sup> edition.</li> <li>• Parikh's Textbook of Medical Jurisprudence, Forensic Medicine and Toxicology 8<sup>th</sup> Edition</li> </ul>	Dr. Nikhat Ahsan	1 Hour	3 <sup>rd</sup> Year Lecture Hall

Week	Module Name & No.	Serial no. of topic	Topic	Learning Objectives	Learning Resources	Facilitator	Duration	Venue
	CVS & Blood	1	Pregnancy with Peripartum Cardiomyopathy	At the end of 1 hour interactive lecture, the student of third year MBBS will be able to: 1. Define peripartum cardiomyopathy. 2. Classify peripartum cardiomyopathy. 3. Recognize its clinical features.	• Obstetrics by Ten Teachers 20 <sup>th</sup> Edition.	Dr. Nazish Ali	1 Hour	3 <sup>rd</sup> Year Lecture Hall
		2	Pathophysiology of Anemia in Pregnancy	1. Define Anaemia in Pregnancy. 2. Classify Anaemia. 3. Discuss Pathophysiology of anaemia in pregnancy. 4. List the clinical features of anaemia in pregnancy.	• Obstetrics by Ten Teachers 20 <sup>th</sup> Edition.	Dr. Naila Qamar	1 Hour	3 <sup>rd</sup> Year Lecture Hall
	Infectious Diseases and Immunology	1	Clinicopathological classification of gynaecological infections	1. Classify physiological and pathological vaginal discharges. 2. Discuss the clinical manifestation of various pathological discharges.	• Gynaecology by Ten Teachers 20 <sup>th</sup> edition.	Dr. Nikhat Ahsan	1 Hour	3 <sup>rd</sup> Year Lecture Hall

# FOURTH YEAR MBBS

## LEARNING OBJECTIVES FOR FOURTH YEAR MBBS (LECTURES)

Week	Module Name & No.	Serial no. of topic	Topic	Learning Objectives  At the end of 1 hour interactive lecture, the student of fourth year MBBS will be able to:	Learning Resources	Facilitator	Duration	Venue
	<b>ENDOCRINOLOGY</b>	1	Endocrine disorders in the menstrual cycle	<ol style="list-style-type: none"> <li>1. Appreciate the role of the hypothalamic-pituitary-ovarian axis in normal reproductive health.</li> <li>2. Classify the endocrine disorders affecting the menstrual cycle.</li> <li>3. Discuss the clinical approach in evaluating different endocrine disorders affecting the menstrual cycle.</li> </ol>	<ul style="list-style-type: none"> <li>• Gynaecology by Ten Teachers 20<sup>th</sup> edition.</li> <li>• Gynaecology by Rashid Latif.</li> </ul>	Prof. Farrukh Naheed	1 Hour	4 <sup>th</sup> Year Lecture Hall
	<b>REPRODUCTIVE</b>	1	Pathophysiology of Pelvic Inflammatory Disease (PID)	<ol style="list-style-type: none"> <li>1. Define Pelvic inflammatory disease.</li> <li>2. Define the epidemiology of the pelvic inflammatory disease.</li> <li>3. Enumerate the risk factors for developing pelvic inflammatory disease.</li> <li>4. Describe the pathogenesis of the pelvic inflammatory disease.</li> <li>5. Discuss the clinical approach for the evaluation of a patient with pelvic inflammatory disease.</li> </ol>	<ul style="list-style-type: none"> <li>• Gynaecology by Ten Teachers 20<sup>th</sup> edition.</li> <li>• Gynaecology by Rashid Latif.</li> </ul>	Dr. Nikhat Ahsan	1 Hour	4 <sup>th</sup> Year Lecture Hall



Week	Module Name & No.	Serial no. of topic	Topic	Learning Objectives	Learning Resources	Facilitator	Duration	Venue
		2	Pathophysiology of Polycystic Ovarian Syndrome (PCOS)	<p><b>At the end of 1 hour interactive lecture, the student of fourth year MBBS will be able to:</b></p> <ol style="list-style-type: none"> <li>1. Define Polycystic Ovarian Syndrome (PCOs).</li> <li>2. Discuss the pathophysiological events related to PCOS.</li> <li>3. Identify the clinical features in a patient having PCOS.</li> <li>4. Discuss the clinical approach for evaluation of patients with PCOS.</li> </ol>	<ul style="list-style-type: none"> <li>• Gynaecology by Ten Teachers 20<sup>th</sup> edition.</li> <li>• Gynaecology by Rashid Latif.</li> </ul>	Dr. Nikhat Ahsan	1 Hour	4 <sup>th</sup> Year Lecture Hall
	<b>GIT &amp; HEPATOBILIARY</b>	1	Liver disorders in pregnancy	<ol style="list-style-type: none"> <li>1. Describe the physiological changes of liver during pregnancy</li> <li>2. Classify the different liver disorders in pregnancy</li> <li>3. Explain HELLP syndrome</li> </ol>	<ul style="list-style-type: none"> <li>• Obstetrics by Ten Teachers 20<sup>th</sup> Edition.</li> </ul>	Dr. Nazish Ali	1 Hour	4 <sup>th</sup> Year Lecture Hall

## LEARNING OBJECTIVES OF FOURTH YEAR MBBS (CLINICAL ROTATION)

Week	Serial no. of topic	Topic	Learning Objectives	Learning Resources	Time	Facilitator	Duration	Venue
1	1	Orientation of obstetrics and gynaecology & Introduction to obstetric emergencies	<p style="text-align: center;"><b>At the end of 3 hours small group clinical teaching, the student of fourth year MBBS will be able to:</b></p> <ol style="list-style-type: none"> <li>1. Define the term Obstetrics.</li> <li>2. Define the term Gynaecology.</li> <li>3. Recall the anatomy of female genital tract.</li> <li>4. Define obstetric emergency.</li> <li>5. Discuss types of obstetric emergencies.</li> <li>6. Differentiate between types of obstetric emergencies on basis of clinical presentation in a given scenario.</li> </ol>	<ul style="list-style-type: none"> <li>• Obstetrics by Ten Teachers 20<sup>th</sup> Edition.</li> <li>• Textbook of Obstetrics by Dr. Razia Iftikhar</li> </ul>	10:45 am till 1:45 pm	Dr. Farah Liaquat & Dr. Nazish Ali	3 hours	1-6 LO in tutorial room & ward
	2	Obstetric terminologies	<ol style="list-style-type: none"> <li>1. Define different obstetric terminologies which are used in pregnancy and labour.</li> <li>2. Utilize obstetric terminologies accurately to record obstetric history.</li> </ol>	<ul style="list-style-type: none"> <li>• Obstetrics by Ten Teachers 20<sup>th</sup> Edition.</li> <li>• Textbook of Obstetrics by Dr. Razia Iftikhar</li> </ul>	10:45 am till 1:45 pm	Dr. Nazish Ali & Dr. Farah Liaquat	3 hours	1-2 LO in tutorial room & ward
	3	Gynaecological terminologies	<ol style="list-style-type: none"> <li>1. Define different gynaecological terminologies which help to take structured history.</li> <li>2. List the different causes of heavy menstrual bleeding.</li> <li>3. Record patient's gynaecological history by using PALMCOIN.</li> </ol>	<ul style="list-style-type: none"> <li>• Gynaecology by Ten Teachers 20<sup>th</sup> edition.</li> <li>• Gynaecology by Rashid Latif.</li> </ul>	10:45 am till 1:45 pm	Dr. Farah Liaquat & Dr. Nazish Ali	3 hours	1-3 LO in tutorial room & ward

Week	Serial no. of topic	Topic	Learning Objectives	Learning Resources	Time	Facilitator	Duration	Venue
	4	Antenatal care	<p><b>At the end of 3 hours small group clinical teaching, the student of fourth year MBBS will be able to:</b></p> <ol style="list-style-type: none"> <li>1. Define antenatal care</li> <li>2. Use strategies for confirming pregnancy and expected date of delivery by utilizing Neagle's Rule.</li> <li>3. Describe the importance of WHO recommended visits for antenatal care.</li> <li>4. Describe the physiological symptoms of pregnancy during ANC.</li> <li>5. Schedule the visits of the pregnancy.</li> <li>6. Select the appropriate investigations and screening test as routine antenatal care by WHO recommendations.</li> </ol>	<ul style="list-style-type: none"> <li>• Obstetrics by Ten Teachers 20<sup>th</sup> Edition.</li> <li>• Textbook of Obstetrics by Dr. Razia Iftikhar</li> </ul>	10:45 am till 1:45 pm	Dr. Nazish Ali & Dr. Farah Liaquat	3 hours	1-6 LO in tutorial room & OPD
	5	Obstetric haemorrhage	<ol style="list-style-type: none"> <li>1. Define obstetric haemorrhage and its types.</li> <li>2. List the risk factors of obstetric haemorrhage.</li> <li>3. Differentiate between the clinical presentations of different type of obstetric haemorrhage.</li> </ol>	<ul style="list-style-type: none"> <li>• Obstetrics by Ten Teachers 20<sup>th</sup> Edition.</li> <li>• Textbook of Obstetrics by Dr. Razia Iftikhar</li> </ul>	10:45 am till 1:45 pm	Dr. Farah Liaquat & Dr. Nazish Ali	3 hours	1-3 LO in tutorial room & labour room

Week	Serial no. of topic	Topic	Learning Objectives	Learning Resources	Time	Facilitator	Duration	Venue
2	1	Obstetric history	<p><b>At the end of 3 hours small group clinical teaching, the student of fourth year MBBS will be able to:</b></p> <ol style="list-style-type: none"> <li>1. Define the term Obstetrics.</li> <li>2. Apply the principles of taking obstetrics history.</li> <li>3. Demonstrate the key components of history taking by presenting it.</li> </ol>	<ul style="list-style-type: none"> <li>• Obstetrics by Ten Teachers 20<sup>th</sup> Edition.</li> <li>• Textbook of Obstetrics by Dr. Razia Iftikhar</li> </ul>	10:45 am till 1:45 pm	Dr. Nazish Ali & Dr. Farah Liaquat	3 hours	1-3 LO in Tutorial room, ward & OPD
	2	Physiology of menstruation & menstrual history	<ol style="list-style-type: none"> <li>1. Define Menstruation.</li> <li>2. Identify the biological events of menstrual cycle.</li> <li>3. Obtain the last menstrual date to exclude amenorrhea.</li> <li>4. Record the detail menstrual history to exclude any menstrual abnormalities.</li> </ol>	<ul style="list-style-type: none"> <li>• Gynaecology by Ten Teachers 20<sup>th</sup> edition.</li> <li>• Gynaecology by Rashid Latif.</li> </ul>	10:45 am till 1:45 pm	Dr. Farah Liaquat & Dr. Nazish Ali	3 hours	1-4 LO in Tutorial room, ward & OPD
	3	Vaginal Echo system and vaginal discharge	<ol style="list-style-type: none"> <li>1. Classify physiological and pathological vaginal discharges.</li> <li>2. Discuss the clinical manifestation of various pathological discharges.</li> <li>3. Recognize the significance of clinical examination i.e.; per speculum examination.</li> <li>4. Justify the specific investigations for the confirmation of diagnosis.</li> <li>5. Interview a patient with vaginal discharge to record history.</li> </ol>	<ul style="list-style-type: none"> <li>• Gynaecology by Ten Teachers 20<sup>th</sup> edition.</li> <li>• Gynaecology by Rashid Latif.</li> </ul>	10:45 am till 1:45 pm	Dr. Nazish Ali & Dr. Farah Liaquat	3 hours	1-2 LO in Tutorial room 3-5 LO in OPD

Week	Serial no. of topic	Topic	Learning Objectives	Learning Resources	Time	Facilitator	Duration	Venue
	4	Abortion	<p><b>At the end of 3 hours small group clinical teaching, the student of fourth year MBBS will be able to:</b></p> <ol style="list-style-type: none"> <li>1. Define abortion.</li> <li>2. Classify its different types on basis of signs and symptoms</li> <li>3. Distinguish between different types of abortion.</li> <li>4. List the causes of recurrent abortion</li> <li>5. Evaluate relevant investigations.</li> <li>6. Obtain and record history of a patient with abortion.</li> <li>7. Organize the sequence of events for history taking.</li> <li>8. Correlate history and clinical features to make provisional diagnosis.</li> </ol>	<ul style="list-style-type: none"> <li>• Gynaecology by Ten Teachers 20<sup>th</sup> edition.</li> <li>• Gynaecology by Rashid Latif</li> </ul>	10:45 am till 1:45 pm	Dr. Farah Liaquat & Dr. Nazish Ali	3 hours	1-5 LO in Tutorial room  6-8 LO in OPD & ward
3	1	Anatomy of maternal pelvis and fetal skull diameter	<ol style="list-style-type: none"> <li>1. Explain the boundaries of pelvis.</li> <li>2. Identify the diameters of pelvis inlet, mid cavity and outlet.</li> <li>3. Describe the different types of pelvis.</li> <li>4. Explain the importance of clinical Pelvimetry for a laboring patient.</li> <li>5. Describe the diameters of fetal skull and their clinical importance for a normal labour.</li> <li>6. Discuss the malposition due to change of obstetrical diameters at term pregnancy.</li> </ol>	<ul style="list-style-type: none"> <li>• Obstetrics by Ten Teachers 20<sup>th</sup> Edition.</li> <li>• Textbook of Obstetrics by Dr. Razia Iftikhar</li> </ul>	10:45 am till 1:45 pm	Dr. Farah Liaquat & Dr. Nazish Ali	3 hours	1-6 LO in Skills lab

Week	Serial no. of topic	Topic	Learning Objectives	Learning Resources	Time	Facilitator	Duration	Venue
	2	Physiology and stages of labour	<p><b>At the end of 3 hours small group clinical teaching, the student of fourth year MBBS will be able to:</b></p> <ol style="list-style-type: none"> <li>1. Define a normal labour.</li> <li>2. Describe the physiological events occurring during normal labour.</li> <li>3. Identify different stages of labour.</li> <li>4. Obtain and record history of laboring patient.</li> </ol>	<ul style="list-style-type: none"> <li>• Obstetrics by Ten Teachers 20<sup>th</sup> Edition.</li> <li>• Textbook of Obstetrics by Dr. Razia Iftikhar</li> </ul>	10:45 am till 1:45 pm	Dr. Nazish Ali & Dr. Farah Liaquat	3 hours	1-4 LO in Tutorial room & Labour room
	3	Fetal Surveillance: Cardiotocography (CTG)	<ol style="list-style-type: none"> <li>1. Define Cardiotocograph (CTG).</li> <li>2. Identify the basic features of CTG.</li> <li>3. Distinguish between antenatal and intrapartum CTG.</li> <li>4. Interpret the CTG findings to make a decision for the mode of delivery.</li> <li>5. Explain the stress test.</li> </ol>	<ul style="list-style-type: none"> <li>• Obstetrics by Ten Teachers 20<sup>th</sup> Edition.</li> <li>• Textbook of Obstetrics by Dr. Razia Iftikhar</li> </ul>	10:45 am till 1:45 pm	Dr. Farah Liaquat & Dr. Nazish Ali	3 hours	1-5 LO in Tutorial room & Labour room
	4	Feto-maternal surveillance: Partogram	<ol style="list-style-type: none"> <li>1. Define Partogram.</li> <li>2. Recognize the norms of Partogram.</li> <li>3. Identify the importance of maintaining partogram in labouring patient.</li> <li>4. Interpret the features of Partogram to make a decision for mode of delivery.</li> </ol>	<ul style="list-style-type: none"> <li>• Obstetrics by Ten Teachers 20<sup>th</sup> Edition.</li> <li>• Textbook of Obstetrics by Dr. Razia Iftikhar</li> </ul>	10:45 am till 1:45 pm	Dr. Nazish Ali & Dr. Farah Liaquat	3 hours	1-4 LO in Tutorial room & Labour room

Week	Serial no. of topic	Topic	Learning Objectives	Learning Resources	Time	Facilitator	Duration	Venue
4	1	Heavy menstrual bleeding	<p><b>At the end of 3 hours small group clinical teaching, the student of fourth year MBBS will be able to:</b></p> <ol style="list-style-type: none"> <li>1. Define HMB</li> <li>2. Identify the causes of HMB</li> <li>3. Describe the pathology of menorrhagia.</li> <li>4. Obtain and record history of HMB.</li> <li>5. Interpret the investigations for HMB to make a provisional diagnosis.</li> </ol>	<ul style="list-style-type: none"> <li>• Gynaecology by Ten Teachers 20<sup>th</sup> edition.</li> <li>• Gynaecology by Rashid Latif</li> </ul>	10:45 am till 1:45 pm	Dr. Nazish Ali & Dr. Farah Liaquat	3 hours	1-3 LO in Tutorial room 4-5 LO in OPD
	2	Secondary amenorrhea	<ol style="list-style-type: none"> <li>1. Define secondary amenorrhea.</li> <li>2. Identify the patho-physiological events of secondary amenorrhea.</li> <li>3. Correlate the different clinical features to make a provisional diagnosis of secondary amenorrhea.</li> <li>4. Select the basic diagnostic tool for the confirmation of diagnosis.</li> </ol>	<ul style="list-style-type: none"> <li>• Gynaecology by Ten Teachers 20<sup>th</sup> edition.</li> <li>• Gynaecology by Rashid Latif</li> </ul>	10:45 am till 1:45 pm	Dr. Farah Liaquat & Dr. Nazish Ali	3 hours	1-4 LO in Tutorial room and OPD
	3	Subfertility (female)	<ol style="list-style-type: none"> <li>1. Define infertility.</li> <li>2. Differentiate between primary and secondary infertility.</li> <li>3. Categorize different aspects of sub-fertility.</li> <li>4. Suggest the relevant investigations to evaluate female infertility</li> <li>5. Obtain and record history of a patient with female infertility.</li> <li>6. Perform a specific general physical and systemic examination related to sub-fertility to reach diagnosis.(BMI, Thyroid, Galactorrhoea, Hirsutism and Pelvic mass)</li> </ol>	<ul style="list-style-type: none"> <li>• Gynaecology by Ten Teachers 20<sup>th</sup> edition.</li> <li>• Gynaecology by Rashid Latif</li> </ul>	10:45 am till 1:45 pm	Dr. Nazish Ali & Dr. Farah Liaquat	3 hours	1-4 LO in Tutorial room 5-6 LO in OPD

Week	Serial no. of topic	Topic	Learning Objectives	Learning Resources	Time	Facilitator	Duration	Venue
	4	Subfertility (male)	<p><b>At the end of 3 hours small group clinical teaching, the student of fourth year MBBS will be able to:</b></p> <ol style="list-style-type: none"> <li>1. Define Male Infertility.</li> <li>2. Enumerate risk factors of male infertility.</li> <li>3. Categorize the causes of male infertility (pretesticular, testicular, and post testicular).</li> <li>4. Distinguish between normal and abnormal semen analysis using latest WHO criteria.</li> </ol>	<ul style="list-style-type: none"> <li>• Gynaecology by Ten Teachers 20<sup>th</sup> edition.</li> <li>• Gynaecology by Rashid Latif</li> </ul>	10:45 am till 1:45 pm	Dr. Farah Liaquat & Dr. Nazish Ali	3 hours	1-4 LO in Tutorial room & OPD



# FINAL YEAR MBBS

## TIME TABLE FINAL YEAR MBBS

### SESSION 2024

<b>DAYS</b>	<b>LECTURE -1 8:30 am – 9:30 am</b>	<b>LECTURE – 2 9:30 am – 10:30 am</b>	<b>CLINICS 10:30 am – 2:00 pm</b>	<b>PRAYER &amp; LUNCH 2:00 pm – 2:30 pm</b>	<b>TUTORIAL 2:30 pm – 4:00 pm</b>
<b>MONDAY</b>	MEDICINE	SURGERY	CLINICS	P R A Y E R  &  L U N C H	TUTORIAL
<b>TUESDAY</b>	SURGERY	MEDICINE	CLINICS		TUTORIAL
<b>WEDNESDAY</b>	GYN/OBS	SURGERY & ALLIED	CLINICS		TUTORIAL
<b>THURSDAY</b>	PAEDIATRICS	MEDICINE & ALLIED	CLINICS		TUTORIAL
<b>FRIDAY</b>	GYN/OBS	CLINICS	CLINICS	PRAYER BREAK (1:00 – 1:30 pm)	TUTORIAL

## SECTION (1 – 4)

Subject: Gynaecology + Obstetrics

<b>SECTION 1</b>		
<b>Topics</b>	<b>1.a (Pre-Conception&amp; ANC*)</b>	<b>1.b (Reproductive Health)</b>
	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)

<b>SECTION 2</b>		
<b>Topics</b>	<b>2.a (Labour)</b>	<b>2.b (Urogynaecology)</b>
	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)

	<b>SECTION 3</b>	
<b>Topics</b>	<b>3.a (Obstetrics Emergencies)</b>	<b>3.b (Gyne Endocrinology)</b>
	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

	<b>SECTION 4</b>	
<b>Topics</b>	<b>4.a (Feto-Maternal Medicine)</b>	<b>4.b (Gynaecological Tumors)</b>
	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 OBSTETRICS & GYNAECOLOGY

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).

## LEARNING OUTCOMES OF OBSTETRICS & GYNAECOLOGY

Utilize the basic principle of obstetrics & gynaecology to identify the problems of reproductive health of women and able to formulate the management plan regarding the pathological conditions related with obstetrics and gynaecology.

## DIVISION OF SYLLABUS

The syllabus is divided into 4 sections for the better understanding of the subject. Each section further discriminates into two components a & b (i.e. obstetrics & gynaecology):

### **Section 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.

### **Section 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.

## **Section 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.

## **Section 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.)

## **Section 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.

## **Section 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.

## **Section 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.

## **Section 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

Week	Section Name or No.	Serial no. of topic	Topic	Learning Objectives	Learning Resources	Time	Facilitator	Duration	Venue
	<b><u>1(a) PRE-CONCEPTION &amp; ANTENATAL CARE</u></b>	1	Prenatal screening	<p><b>At the end of this 1 hour lecture, the final year MBBS student will be able to:</b></p> <ol style="list-style-type: none"> <li>1. Differentiate between screening and diagnostic test.</li> <li>2. How to take history from a pregnant woman to proceed for screening or diagnostic test.</li> <li>3. Discuss role of ultrasound to screen chromosomal and structural anomalies.</li> <li>4. Discuss different biochemical test to screen fetal abnormalities.</li> <li>5. Enumerate diagnostic test for prenatal diagnosis.</li> <li>6. Discuss CVS and Amniocentesis as prenatal diagnostic test.</li> </ol>	<ul style="list-style-type: none"> <li>• Obstetrics by Ten Teachers 20<sup>th</sup> Edition.</li> <li>• Dewhurst text book of obstetrics &amp; Gynaecology 9<sup>th</sup> Edition</li> <li>• Textbook of Obstetrics by Dr. Razia Iftikhar</li> </ul>	8:30 am till 9:30am	Prof. Farrukh Naheed	1 hour	1-6 LO in Moin Baqai Hall

Week	Section Name or No.	Serial no. of topic	Topic	Learning Objectives	Learning Resources	Time	Facilitator	Duration	Venue
		2	Physiology of pregnancy	<p><b>At the end of this 1 hour lecture, the final year MBBS student will be able to:</b></p> <ol style="list-style-type: none"> <li>1. Describe placental hormones, its functions and transfer of metabolites.</li> <li>2. Discuss the normal physiological changes in cardiovascular, hematological, gastro intestinal and renal system.</li> <li>3. Recognize LMP (Last Menstrual Period) to calculate EDD (Expected Delivery Date).</li> <li>4. Enlist the general physiological symptoms of pregnancy.</li> </ol>	<ul style="list-style-type: none"> <li>• Obstetrics by Ten Teachers 20<sup>th</sup> Edition.</li> <li>• Dewhurst text book of obstetrics &amp; Gynaecology 9<sup>th</sup> Edition</li> <li>• Textbook of Obstetrics by Dr. Razia Iftikhar</li> </ul>	8:30 am till 9:30 am	Dr. Nikhat Ahsan	1 hour	1-4 LO in Moin Baqai Hall





Week	Section Name or No.	Serial no. of topic	Topic	Learning Objectives	Learning Resources	Time	Facilitator	Duration	Venue
				11. Schedule the visits of the pregnancy. 12. Select the appropriate investigations and screening test as routine antenatal care by WHO recommendations. 13. Counsel the patient regarding the breastfeeding, contraception and immunization during antenatal care.  <b>At the end of 1.5 hours simulation based learning, the final year MBBS student will be able to:</b> 14. Perform per abdominal examination in a simulated environment on manikin.		2:30 pm till 4:00 pm	Dr. Nazish Ali	1.5 hours	11 LO in Skills Lab
		4	Multiple gestation	<b>At the end of this 1 hour lecture, the final year MBBS student will be able to:</b> 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"> <li>Obstetrics by Ten Teachers 20<sup>th</sup> Edition.</li> <li>Dewhurst text book of obstetrics &amp; Gynaecology 9<sup>th</sup> Edition</li> <li>Textbook of Obstetrics by Dr. Razia Iftikhar</li> </ul>	8:30 am till 9:30 am	Prof. Farrukh Naheed	1 hour	1-7 LO in Moin Baqai Hall

Week	Section Name or No.	Serial no. of topic	Topic	Learning Objectives	Learning Resources	Time	Facilitator	Duration	Venue
		5	Malpresentation (breech)	<p><b>At the end of this 1 hour lecture, the final year MBBS student will be able to:</b></p> <ol style="list-style-type: none"> <li>1. Define malpresentation.</li> <li>2. Classify the types of breech at term.</li> <li>3. Enumerate the risk factors of breech presentation at term.</li> <li>4. Discuss the significance of external cephalic version at term.</li> <li>5. Formulate the management plan for assisted vaginal breech delivery or elective caesarian section at term</li> <li>6. Enlist the complications of breech vaginal delivery at term</li> </ol>	<ul style="list-style-type: none"> <li>• Obstetrics by Ten Teachers 20<sup>th</sup> Edition.</li> <li>• Dewhurst text book of obstetrics &amp; Gynaecology 9<sup>th</sup> Edition</li> <li>• Textbook of Obstetrics by Dr. Razia Iftikhar</li> </ul>	8:30 am till 9:30 am	Dr. Musharraf Jahan	1 hour	1-6 LO in Moin Baqai Hall

Week	Section Name or No.	Serial no. of topic	Topic	Learning Objectives	Learning Resources	Time	Facilitator	Duration	Venue
	<b><u>1(b) REPRODUCTIVE HEALTH</u></b>	1	Physiology of menstruation / ovulation	<p><b>At the end of this 1 hour lecture, the final year MBBS student will be able to:</b></p> <ol style="list-style-type: none"> <li>1. Define menstruation and ovulation.</li> <li>2. Describe the biological events of menstrual cycle due to hormonal influence.</li> <li>3. Identify the last menstrual date to exclude menstrual abnormalities.</li> </ol>	<ul style="list-style-type: none"> <li>• Gynaecology by Ten Teachers 20<sup>th</sup> edition.</li> <li>• Jeffcoate's principle of Gynaecology.</li> <li>• Gynaecology by Rashid Latif.</li> </ul>	8:30 am till 9:30 am	Dr. Nikhat Ahsan	1 hour	1-3 LO in Moin Baqai Hall



Week	Section Name or No.	Serial no. of topic	Topic	Learning Objectives	Learning Resources	Time	Facilitator	Duration	Venue
		3	Abortion and its management	<p><b>At the end 1 hour interactive lecture, students of final year MBBS will be able to</b></p> <ol style="list-style-type: none"> <li>1. Define abortion</li> <li>2. Classify its different types on basis of signs and symptoms</li> <li>3. Distinguish between different types of abortion</li> <li>4. List the causes of recurrent abortion</li> <li>5. Evaluate relevant investigations and management plan.</li> <li>6. Discuss post abortal care.</li> </ol> <p><b>At the end 3.5 hours small group teaching, students of final year MBBS will be able to</b></p> <ol style="list-style-type: none"> <li>7. Obtain and record history of a patient with abortion</li> <li>8. Organize the sequence of events for history taking.</li> <li>9. Correlate history and clinical features to make provisional diagnosis.</li> <li>10. Justify investigations required for the management.</li> <li>11. Outline the management plan.</li> </ol>	<ul style="list-style-type: none"> <li>• Gynaecology by Ten Teachers 20<sup>th</sup> edition.</li> <li>• Jeffcoate's principle of Gynaecology. Gynaecology by Rashid Latif</li> </ul>	<p>8:30 am till 9:30 am</p> <p>10:30 am till 2:00 pm</p>	<p>Dr. Nikhat Ahsan</p> <p>Dr. Saadia Akram &amp; Dr. Naila Qamar</p>	<p>1 hour</p> <p>3.5 hours</p>	<p>1-6 LO in Moin Baqai Hall</p> <p>7-11 LO in Gynae OPD</p>

Week	Section Name or No.	Serial no. of topic	Topic	Learning Objectives	Learning Resources	Time	Facilitator	Duration	Venue
				<p><b>At the end of small group teaching, students of final year MBBS will be able to</b></p> <p>12. Draw the observations regarding the evacuation of uterine cavity for retained product of conception:</p> <p>a) Medical management. b) Surgical management.</p>		<p>10:30 am till 12 Noon</p> <p>12 Noon till 2:00 pm</p>	<p>Dr. Saadia Akram</p> <p>Dr. Naila Qamar</p>	<p>1.5 hours</p> <p>2 hours</p>	<p>12(a) LO in Gynae Ward</p> <p>12(b) LO in OT</p>
		4	Ectopic Pregnancy	<p><b>At the end of this 1 hour lecture, the final year MBBS student will be able to:</b></p> <ol style="list-style-type: none"> <li>1. Define ectopic pregnancy.</li> <li>2. Enumerate the risk factors of ectopic pregnancy.</li> <li>3. Recognize the clinical presentation for ruptured ectopic pregnancy.</li> <li>4. Identify the role of ultrasound and serum beta HCG in detecting unruptured ectopic pregnancy.</li> <li>5. Discuss the management options for ruptured as well as unruptured pregnancy.</li> </ol>	<ul style="list-style-type: none"> <li>• Gynaecology by Ten Teachers 20<sup>th</sup> edition.</li> <li>• Jeffcoate's principle of Gynaecology.</li> </ul>	<p>8:30 am till 9:30 am</p>	<p>Dr. Musharraf Jahan</p>	<p>1 hour</p>	<p>1-5 LO in Moin Baqai Hall</p>

Week	Section Name or No.	Serial no. of topic	Topic	Learning Objectives	Learning Resources	Time	Facilitator	Duration	Venue
		5	Contraception	<p><b>At the end of 4.5 hours workshop the final year MBBS student will be able to</b></p> <ol style="list-style-type: none"> <li>1. Define contraception.</li> <li>2. Identify the epidemiological factors responsible for its prevalence rate.</li> <li>3. Discuss the different methods of contraception.</li> <li>4. Compare the efficacies of different contraceptive methods.</li> <li>5. Describe Emergency contraception in detail.</li> <li>6. Explain MEC 2015: methods of contraception.</li> <li>7. Counsel a patient for family planning in a simulated environment.</li> </ol>	<ul style="list-style-type: none"> <li>• Gynaecology by Ten Teachers 20<sup>th</sup> edition.</li> <li>• Jeffcoate's principle of Gynaecology.</li> <li>• Gynaecology by Rashid Latif.</li> </ul>	<p>9:30 am till 10:30 am</p> <p>10:30 am till 2:00pm</p>	<p>Prof. Farrukh Naheed</p> <p>Prof. Farrukh Naheed</p>	<p>1 hour</p> <p>3.5 hours</p>	<p>1-5 LO in Moin Baqai Hall &amp; Skills Lab</p> <p>6-7 LO in contraception workshop in Moin Baqai Hall &amp; Skills Lab</p>



Week	Section Name or No.	Serial no. of topic	Topic	Learning Objectives	Learning Resources	Time	Facilitator	Duration	Venue		
	<b>2.(a) LABOUR</b>	1	<b>LABOUR</b> Obstetric diameter and measurement of fetal skull position.	<p><b>At the end of 1.5 hour small group discussion students of final year MBBS will be able to</b></p> <ol style="list-style-type: none"> <li>1. Explain the boundaries of pelvis.</li> <li>2. Identify the diameters of pelvis inlet, mid cavity and outlet.</li> <li>3. Describe the different types of pelvis.</li> <li>4. Explain the importance of clinical Pelvimetry for a laboring patient.</li> <li>5. Describe the diameters of fetal skull and their clinical importance for a normal labour.</li> <li>6. Discuss the malposition due to change of obstetrical diameters at term pregnancy.</li> </ol> <p><b>At the end of small group discussion of 1.5 hours, students of final year MBBS will be able to</b></p> <ol style="list-style-type: none"> <li>7. Define normal "LABOUR".</li> <li>8. Describe the physiological events occurring during normal labour.</li> <li>9. Identify the stages of labour.</li> </ol> <p><b>At the end of small group teaching, students of final year MBBS will be able to</b></p> <ol style="list-style-type: none"> <li>10. Recognize the importance of obstetrical examination.</li> <li>11. Correlate the gestation period after measuring symphysio fundal height.</li> <li>12. Demonstrate the Leopard maneuvers.</li> <li>13. Examine the fetal heart by pinnard fetoscope and by sonicaid.</li> </ol>	<ul style="list-style-type: none"> <li>• Obstetrics by Ten Teachers 20<sup>th</sup> Edition.</li> <li>• Dewhurst text book of obstetrics &amp; Gynaecology 9<sup>th</sup> Edition</li> <li>• Textbook of Obstetrics by Dr. Razia Iftikhar</li> </ul>	2:30 pm till 4:00 pm	Dr. Farah Liaquat	1.5 hours	1-6 LO in Skill lab		
			Basic physiology of labour, stages, phases of labour					2:30 pm till 4:00 pm	Dr. Naila Qamar	1.5 hours	7-9 LO in Tutorial Room
			Obstetric examination (P/A)						10:30 am till 1:30 pm / 2:30 pm till 4:00 pm	Dr. Nikhat Ahsan / Dr. Nazish Ali	3 hours 1.5 hours

Week	Section Name or No.	Serial no. of topic	Topic	Learning Objectives	Learning Resources	Time	Facilitator	Duration	Venue
			Induction of Labour + methods + Bishop Scoring	<p><b>At the end 02 hours small group teaching, students of final year MBBS will be able to</b></p> <p>14. Define induction of labour.  15. Enumerate indication for induction of labour.  16. List different methods of induction of labour.  17. Describe complications of induction of labour.</p> <p><b>At the end of 1.5 hours small group teaching (case presentation), student of final years MBBS will be able to</b></p> <p>18. Interview and record history of a laboring patient.  19. Organize and present history.</p>		10:30am till 12:30 pm	Dr. Saadia Akram	2 hours	14-17 LO in Ward
						12:30pm till 2:00 pm	Dr. Naila Qamar	1.5 hours	18-19 LO in Labour room



Week	Section Name or No.	Serial no. of topic	Topic	Learning Objectives	Learning Resources	Time	Facilitator	Duration	Venue
				<p><b>At the end of 1.5 hours small group discussion, student of final year MBBS will be able to</b></p> <p><b><u>PARTOGRAM</u></b>  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.</p> <p><b><u>EPISIOTOMY</u></b>  <b>At the end of 3.5 hours small group discussion, student of final year MBBS will be able to</b></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><b><u>SYNTOCINON</u></b>  20. Identify the drug  21. Describe the mechanism of action  22. Enumerate the uses of syntocinon  23. Enlist the complications.</p>		<p>2:30 pm till 4:00 pm</p> <p>10:30 am till 12 Noon</p> <p>12 Noon till 2:00 pm</p>	<p>Dr. Nazish Ali</p> <p>Dr. Saadia Akram</p> <p>Dr. Naila Qamar</p>	<p>1.5 hours</p> <p>1.5 Hours</p> <p>2 Hours</p>	<p>12-15 LO in Tutorial Room</p> <p>16-19 LO in Labour Room</p> <p>20-23 LO in Labour Room</p>

Week	Section Name or No.	Serial no. of topic	Topic	Learning Objectives	Learning Resources	Time	Facilitator	Duration	Venue
		3	Mechanism of Labour and active management of third stage of labour	<p><b>At the end of 1.5 hours simulation based teaching, student of final year MBBS will be able to</b></p> <ol style="list-style-type: none"> <li>1. Demonstrate steps of mechanism of labour on manikin.</li> <li>2. Identify signs of placental separation.</li> <li>3. Demonstrate placenta delivery by Brandth Andrew method.</li> </ol>	<ul style="list-style-type: none"> <li>• Obstetrics by Ten Teachers 20<sup>th</sup> Edition</li> <li>• Mechanism of Labour video</li> <li>• Textbook of Obstetrics by Dr. Razia Iftikhar</li> </ul>	2:30 pm till 4:00 pm	Dr. Farah Liaquat	1.5 hours	1-3 LO in Skills Lab
			Mode of Delivery (Instrumental vaginal delivery and C-Section)	<p><b><u>Instrumental Delivery</u></b></p> <p><b>At the end of 1.5 hours small group discussion, student of final year MBBS will be able to</b></p> <ol style="list-style-type: none"> <li>1. Identify instruments (forceps/ventouse).</li> <li>2. Enlist the indications of instrumental vaginal delivery.</li> <li>3. Describe the prerequisite to fulfill their uses.</li> <li>4. Discuss the complications.</li> </ol> <p><b><u>C-Section</u></b></p> <p><b>At the end of 1.5 hours small group discussion, student of final year MBBS will be able to</b></p> <ol style="list-style-type: none"> <li>5. Identify instruments of C-Section.</li> <li>6. Enlist indication of emergency and elective C-section.</li> <li>7. Discuss the preoperative care for C-Section.</li> </ol>		2:30 pm till 4:00 pm	Dr. Nazish Ali	1.5 hours	1-4 LO in Skills Lab
						2:30 pm till 4:00 pm	Dr. Naila Qamar	1.5 hours	5-10 LO in OT and Tutorial



Week	Section Name or No.	Serial no. of topic	Topic	Learning Objectives	Learning Resources	Time	Facilitator	Duration	Venue
	<b><u>2.(b) UROGYNAECOLOGY</u></b>	1	Vaginal Discharge	<p><b>At the end of 1 hour interactive lecture, final year MBBS students will be able to</b></p> <ol style="list-style-type: none"> <li>1. Classify physiological and pathological vaginal discharges.</li> <li>2. Discuss the clinical manifestation of various pathological discharges.</li> <li>3. Recognize the significance of clinical examination i.e.; per speculum examination.</li> <li>4. Justify the specific investigations for the confirmation of diagnosis.</li> <li>5. Suggest the treatment options in accordance with guidelines.</li> </ol> <p><b>At the end of 3.5 hours small group teaching, final year MBBS students will be able to</b></p> <ol style="list-style-type: none"> <li>6. Interview a patient with vaginal discharge to record history.</li> <li>7. Organize and present history.</li> <li>8. Observe speculum examination for vaginal discharge with facilitator.</li> </ol>	<ul style="list-style-type: none"> <li>• Gynaecology by Ten Teachers 20<sup>th</sup> edition.</li> <li>• Jeffcoate's principle of Gynaecology.</li> <li>• Gynaecology by Rashid Latif.</li> </ul>	<p>8:30 am till 9:30 am</p> <p>10:30 am till 2:00 pm</p>	<p>Dr. Farah Liaquat</p> <p>Dr. Saadia Akram</p>	<p>1 hour</p> <p>3.5 hours</p>	<p>1-5 LO in Moin Baqai Hall</p> <p>6-8 LO in OPD</p>









Week	Section Name or No.	Serial no. of topic	Topic	Learning Objectives	Learning Resources	Time	Facilitator	Duration	Venue
	<b>3.(a) OBSTETRICS EMERGENCIES</b>	1	Ante Partum Hemorrhage (Abruptio Placenta)	<p><b>At the end of 1 hour interactive lecture, final year MBBS students will be able to</b></p> <ol style="list-style-type: none"> <li>1. Define Ante Partum Hemorrhage.</li> <li>2. Classify Ante Partum Hemorrhage.</li> <li>3. List causes of Ante Partum Hemorrhage.</li> <li>4. Enumerate the risk factors of Abruptio Placenta.</li> <li>5. Suggest the appropriate investigations to exclude any complication.</li> <li>6. Formulate the management plan of Abruptio Placenta.</li> </ol> <p><b>At the end of 3.5 hours small group teaching, final year MBBS students will be able to</b></p> <ol style="list-style-type: none"> <li>7. Obtain and record history of a patient with abruptio placenta.</li> <li>8. Organize and present history</li> </ol>	<ul style="list-style-type: none"> <li>• Obstetrics by Ten Teachers 20<sup>th</sup> Edition.</li> <li>• Dewhurst text book of obstetrics &amp; Gynaecology 9<sup>th</sup> Edition</li> <li>• Textbook of Obstetrics by Dr. Razia Iftikhar</li> </ul>	8:30 am till 9:30 am	Dr. Musharraf Jahan	1 hour	1-6 LO in Moin Baqai Hall
							10:30 am till 2:00 pm	Dr. Naila Qamar	3.5 hours

Week	Section Name or No.	Serial no. of topic	Topic	Learning Objectives	Learning Resources	Time	Facilitator	Duration	Venue
		2	Ante Partum Hemorrhage (Placenta Previa)	<p><b>At the end of 1 hour interactive lecture, final year MBBS students will be able to</b></p> <ol style="list-style-type: none"> <li>1. Define Placenta Previa</li> <li>2. Enlist the types of Placenta Previa.</li> <li>3. Enumerate the risk Factors of Placenta Previa.</li> <li>4. Differentiate the clinical features of placenta previa with abruptio placenta.</li> <li>5. Recognize role of ultrasound to localize the placenta and its complication related with previous scar.</li> <li>6. Discuss the mode of delivery and management plan.</li> </ol> <p><b>At the end of 3.5 hours small group teaching, final year MBBS students will be able to</b></p> <ol style="list-style-type: none"> <li>7. Obtain and record history of a patient with Placenta Previa.</li> <li>8. Organize and present history.</li> </ol>	<ul style="list-style-type: none"> <li>• Obstetrics by Ten Teachers 20<sup>th</sup> Edition.</li> <li>• Dewhurst text book of obstetrics &amp;Gynaecology 9<sup>th</sup> Edition</li> <li>• Textbook of Obstetrics by Dr. Razia Iftikhar</li> </ul>	<p>8:30 am till 9:30 am</p> <p>10:30 am till 2:00 pm</p>	<p>Dr. Musharraf Jahan</p> <p>Dr. Saadia Akram</p>	<p>1 hour</p> <p>3.5 hours</p>	<p>1-6 LO in Moin Baqai Hall</p> <p>7-8 LO in ward</p>

Week	Section Name or No.	Serial no. of topic	Topic	Learning Objectives	Learning Resources	Time	Facilitator	Duration	Venue
		3	Post Partum Hemorrhage	<p><b>At the end of 1 hour interactive lecture, final year MBBS students will be able to</b></p> <ol style="list-style-type: none"> <li>1. Define post partum hemorrhage.</li> <li>2. Enumerate risk factors for Post partum hemorrhage.</li> <li>3. Enlist the causes of post partum hemorrhage.</li> <li>4. Describe protocol for managing post partum hemorrhage</li> </ol> <p><b>At the end of 1.5 hours simulation based teaching, final year MBBS students will be able to</b></p> <ol style="list-style-type: none"> <li>5. Sequence the steps of management in a simulated environment in a given scenario of PPH.</li> </ol>	<ul style="list-style-type: none"> <li>• Obstetrics by Ten Teachers 20<sup>th</sup> Edition.</li> <li>• Dewhurst text book of obstetrics &amp;Gynaecology 9<sup>th</sup> Edition</li> <li>• Textbook of Obstetrics by Dr. Razia Iftikhar</li> </ul>	8:30 am till 9:30 am	Prof. Farrukh Naheed	1 hour	1-4 LO in Moin Baqai Hall
		4	3 Delay and Maternal Mortality	<p><b>At the end of 1 hour interactive lecture, final year MBBS students will be able to</b></p> <ol style="list-style-type: none"> <li>1. Define and enlist common obstetrical emergencies.</li> <li>2. Describe 3 delays in obstetrical emergencies.</li> <li>3. Discuss the causes of 3 delays in obstetric emergencies</li> <li>4. Outline the strategies to improve 3 delays and maternal mortality.</li> </ol>	<ul style="list-style-type: none"> <li>• Obstetrics by Ten Teachers 20<sup>th</sup> Edition.</li> <li>• Dewhurst text book of obstetrics &amp;Gynaecology 9<sup>th</sup> Edition</li> <li>• Textbook of Obstetrics by Dr. Razia Iftikhar</li> </ul>	8:30 am till 9:30 am	Dr. Musharraf Jahan	1 hour	1-4 LO In Moin Baqai Hall
						2:30 pm till 4:00 pm	Dr. Farah Liaquat	1.5 hours	5 LO in Skills lab

Week	Section Name or No.	Serial no. of topic	Topic	Learning Objectives	Learning Resources	Time	Facilitator	Duration	Venue
		5	Complication of Previous Scar C-Section	<p><b>At the end of 3.5 hours small group teaching, final year MBBS students will be able to</b></p> <ol style="list-style-type: none"> <li>1. Determine the frequency of uterine scar in multiparous women.</li> <li>2. Identify the obstetric risk/ complications associated with previous scar.</li> <li>3. Discuss the vaginal mode of delivery (VBAC).</li> </ol>	<ul style="list-style-type: none"> <li>• Obstetrics by Ten Teachers 20<sup>th</sup> Edition.</li> <li>• Dewhurst text book of obstetrics &amp; Gynaecology 9<sup>th</sup> Edition</li> <li>• Textbook of Obstetrics by Dr. Razia Iftikhar</li> </ul>	10:30 am till 2:00 pm	Dr. Saadia Akram	3.5 hours	1-3 LO In Ward

Week	Section Name or No.	Serial no. of topic	Topic	Learning Objectives	Learning Resources	Time	Facilitator	Duration	Venue
	<b><u>3.(b) GYNE ENDOCRINOLOGY</u></b>	1	Primary Amenorrhea	<p><b>At the end of 1 hour interactive lecture, final year MBBS students will be able to</b></p> <ol style="list-style-type: none"> <li>1. Define and classify amenorrhea.</li> <li>2. Distinguish the clinical features of primary amenorrhea from secondary amenorrhea.</li> <li>3. Enumerate the causes of primary amenorrhea.</li> <li>4. Utilize the basic knowledge for the evaluation of primary amenorrhea</li> <li>5. Discuss the management plan for primary amenorrhea.</li> </ol> <p><b>At the end of 3.5 hours small group teaching, final year MBBS students will be able to</b></p> <ol style="list-style-type: none"> <li>6. Interview a patient to record history of primary amenorrhea.</li> <li>7. Organize and present history.</li> <li>8. Examine the patient for specific features of primary amenorrhea.</li> </ol>	<ul style="list-style-type: none"> <li>• Gynaecology by Ten Teachers 20<sup>th</sup> edition.</li> <li>• Jeffcoate's principle of Gynaecology.</li> <li>• Gynaecology by Rashid Latif.</li> </ul>	8:30 am till 9:30 am	Prof. Farrukh Naheed	1 hour	1-5 LO in Moin Baqai Hall
							10:30 am till 2:00 pm	Dr. Saadia Akram	3.5 hours

Week	Section Name or No.	Serial no. of topic	Topic	Learning Objectives	Learning Resources	Time	Facilitator	Duration	Venue
		2	Secondary Amenorrhoea	<p><b>At the end of 1 hour interactive lecture, final year MBBS students will be able to</b></p> <ol style="list-style-type: none"> <li>1. Define secondary amenorrhoea.</li> <li>2. Identify the pathophysiological events of secondary amenorrhoea.</li> <li>3. Correlate the different clinical features to make a provisional diagnosis of secondary amenorrhoea.</li> <li>4. Select the basic diagnostic tool for the confirmation of diagnosis.</li> <li>5. Discuss the management plan.</li> </ol> <p><b>At the end of 3.5 hours small group teaching, final year MBBS students will be able to</b></p> <ol style="list-style-type: none"> <li>6. Obtain and record history of a patient with secondary amenorrhoea.</li> <li>7. Organize and present history</li> </ol>	<ul style="list-style-type: none"> <li>• Gynaecology by Ten Teachers 20<sup>th</sup> edition.</li> <li>• Jeffcoate's principle of Gynaecology.</li> <li>• Gynaecology by Rashid Latif.</li> </ul>	8:30 am till 9:30 am	Dr. Musharraf Jahan	1 hour	1-5 LO in Moin Baqai Hall
						10:30 am till 2:00 pm	Dr. Naila Qamar	3.5 hours	6-7 LO in OPD
		3	Polycystic Ovarian Syndrome PCO'S	<p><b>At the end of 1 hour interactive lecture, final year MBBS students will be able to</b></p> <ol style="list-style-type: none"> <li>1. Define Polycystic Ovarian Syndrome.</li> <li>2. Describe the pathophysiological events related with PCOs.</li> <li>3. Recognize the clinical features of PCOs.</li> <li>4. Evaluate the PCOs according to Rotterdam criteria and endocrinological basis.</li> <li>5. Outline the management plan for PCOs.</li> </ol>	<ul style="list-style-type: none"> <li>• Gynaecology by Ten Teachers 20<sup>th</sup> edition.</li> <li>• Jeffcoate's principle of Gynaecology.</li> <li>• Gynaecology by Rashid Latif.</li> </ul>	8:30 am till 9:30 am	Prof. Farrukh Naheed	1 hour	1-5 LO in Moin Baqai Hall



Week	Section Name or No.	Serial no. of topic	Topic	Learning Objectives	Learning Resources	Time	Facilitator	Duration	Venue
				<p><b>At the end of 3.5 hours, final year MBBS small group teaching, students will be able to</b></p> <p>6. Interview a patient with Polycystic Ovarian Syndrome to obtain history.</p> <p>7. Examine the patient to detect specific features.</p> <p>8. Calculate BMI.</p>		10:30 am till 2:00 pm	Dr. Saadia Akram & Dr. Naila Qamar	3.5 hours	6-8 LO in OPD
		4	Female Infertility	<p><b>At the end of 1 hour interactive lecture student of final year MBBS will be able to:</b></p> <p>1. Define infertility.</p> <p>2. Differentiate between primary and secondary infertility.</p> <p>3. Categorize different aspects of sub-fertility.</p> <p>4. Suggest the relevant investigations to evaluate female infertility</p> <p>5. Formulate the management plan for female infertility.</p> <p><b>At the end of 3.5 hours small group teaching student of final year MBBS will be able to:</b></p> <p>6. Interview and record history of a patient with female infertility.</p> <p>7. Perform a specific general physical and systemic examination related to sub-fertility to reach diagnosis.(BMI, Thyroid, Galactorrhoea, Hirsutism and Pelvic mass).</p>	<ul style="list-style-type: none"> <li>Gynaecology by Ten Teachers 20<sup>th</sup>edition.</li> <li>Jeffcoat's principle of Gynaecology.</li> <li>Gynaecology by Rashid Latif.</li> </ul>	8:30 am till 9:30 am	Dr. Musharraf Jahan	1 hour	1-5 LO in Moin Baqai Hall
						10:30 am till 2:00 pm	Dr. Saadia Akram & Dr. Naila Qamar	3.5 hours	6-7 LO in OPD

Week	Section Name or No.	Serial no. of topic	Topic	Learning Objectives	Learning Resources	Time	Facilitator	Duration	Venue
		5	Male Infertility	<p><b>At the end of 1 hour interactive lecture, final year MBBS students will be able to</b></p> <ol style="list-style-type: none"> <li>1. Define Male Infertility.</li> <li>2. Enumerate risk factors of male infertility.</li> <li>3. Categorize the causes of male infertility (pre-testicular, testicular and post testicular).</li> <li>4. Evaluate the male infertility.</li> <li>5. Distinguish between normal and abnormal semen analysis using latest WHO criteria.</li> </ol>	<ul style="list-style-type: none"> <li>• Gynaecology by Ten Teachers 20<sup>th</sup>edition.</li> <li>• Jeffcoate's principle of Gynaecology.</li> <li>• Gynaecology by Rashid Latif.</li> </ul>	8:30 am till 9:30 am	Prof. Farrukh Naheed	1 hour	1-5 LO in Moin Baqai Hall

Week	Section Name or No.	Serial no. of topic	Topic	Learning Objectives	Learning Resources	Time	Facilitator	Duration	Venue
	<b><u>4.(a) FETO-MATERNAL MEDICINE</u></b>	1	Pregnancy induced hypertension and Eclampsia	<p><b>At the end of 1 hour interactive lecture, final year MBBS students will be able to</b></p> <ol style="list-style-type: none"> <li>1. Define pregnancy induced hypertension.</li> <li>2. Classify PIH according to severity.</li> <li>3. Discuss the pathogenesis of PIH.</li> <li>4. Recognize the clinical manifestation pre eclampsia and eclampsia.</li> <li>5. Identify the complications due to PIH (Eclampsia and HELLP syndrome)</li> <li>6. Suggest the appropriate investigations to establish the diagnosis.</li> <li>7. Anticipate the complications of PIH and eclampsia.</li> <li>8. Formulate management plan for foeto-maternal surveillance during antenatal period, intrapartum period and postpartum period.</li> </ol> <p><b>At the end of 3.5 hours small group teaching, final year MBBS students will be able to</b></p> <ol style="list-style-type: none"> <li>9. Discuss protocol for management of eclampsia.</li> <li>10. Interview a patient with PIH to obtain history.</li> <li>11. Discuss history with facilitator.</li> </ol>	<ul style="list-style-type: none"> <li>• Obstetrics by Ten Teachers 20<sup>th</sup> Edition.</li> <li>• Dewhurst text book of obstetrics &amp;Gynaecology 9<sup>th</sup> Edition</li> <li>• Textbook of Obstetrics by Dr. Razia Iftikhar</li> </ul>	8:30 am till 9:30 am	Dr. Musharraf Jahan	1 hour	1-8 LO in Moin Baqai Hall
							10:30 am till 2:00 pm	Dr. Naila Qamar	3.5 hours

Week	Section Name or No.	Serial no. of topic	Topic	Learning Objectives	Learning Resources	Time	Facilitator	Duration	Venue
				<p>12. Perform relevant general physical examination to determine the features of imminent eclampsia and HELLP syndrome.</p> <p><b>MAGNISIUM SULPHATE:</b></p> <p>13. Identify the drug</p> <p>14. Describe mode of action of MgSO<sub>4</sub>.</p> <p>15. Discuss the protocol of MgSO<sub>4</sub> for prophylaxis and for the treatment of eclampsia.</p> <p>16. Describe the systemic effects of MgSO<sub>4</sub> toxicity.</p> <p><b>At the end of 1.5 hours simulation based teaching, final year MBBS students will be able to</b></p> <p><b>ECLAMPSIA MANAGEMENT DRILL:</b></p> <p>17. Sequence the steps of management in a simulated environment in a given scenario of eclampsia.</p>		2:30 pm till 4:00 pm	Dr. Saadia Akram	1.5 hours	17 LO in Skills lab

Week	Section Name or No.	Serial no. of topic	Topic	Learning Objectives	Learning Resources	Time	Facilitator	Duration	Venue
		2	Gestational diabetes mellitus	<p><b>At the end of 1 hour interactive lecture, final year MBBS students will be able to</b></p> <ol style="list-style-type: none"> <li>1. Define gestational diabetes.</li> <li>2. Explain the pathophysiology of maternal hyperglycemia.</li> <li>3. Identify the risk factors for gestational diabetes.</li> <li>4. Enumerate maternal and fetal complications of gestational diabetes.</li> <li>5. Discuss the screening and diagnostic test for gestational diabetes.</li> <li>6. Enlist the current treatment option for gestational diabetes.</li> </ol> <p><b>At the end of 3.5 hours small group teaching, final year MBBS students will be able to</b></p> <ol style="list-style-type: none"> <li>7. Interview a patient with gestational diabetes to obtain history.</li> <li>8. Counsel patient for life style modification, diet control and pharmacological therapy.</li> <li>9. Observe the management of hyperglycemia in laboring patient.</li> </ol>	<ul style="list-style-type: none"> <li>• Obstetrics by Ten Teachers 20<sup>th</sup> Edition.</li> <li>• Dewhurst text book of obstetrics &amp; Gynaecology 9<sup>th</sup> Edition</li> <li>• Textbook of Obstetrics by Dr. Razia Iftikhar</li> </ul>	<p>8:30 am till 9:30 am</p> <p>10:30 am till 12:30 pm</p> <p>12:30 pm till 2:00 pm</p>	<p>Prof. Farrukh Naheed</p> <p>Dr. Saadia Akram &amp; Dr. Naila Akram</p> <p>Dr. Saadia Akram</p>	<p>1 hour</p> <p>2 hours</p> <p>1.5 hours</p>	<p>1-6 LO in Moin Baqai Hall</p> <p>7-8 LO in Ward</p> <p>9 Lo in labour room</p>



Week	Section Name or No.	Serial no. of topic	Topic	Learning Objectives	Learning Resources	Time	Facilitator	Duration	Venue
		4	Thyroid disorder in pregnancy	<p><b>At the end of 1 hour interactive lecture, final year MBBS students will be able to</b></p> <ol style="list-style-type: none"> <li>1. Explain the physiological role of Thyroid hormone in fetal development during pregnancy.</li> <li>2. Classify the disorders according to the manifestations of clinical features.</li> <li>3. Describe the clinical significance of screening pregnant women for thyroid disorders in first trimester.</li> <li>4. Discuss the effects of hypothyroidism and hyperthyroidism during pregnancy.</li> <li>5. Enlist the recommended treatment options for hypothyroidism and hyperthyroidism during pregnancy.</li> </ol>	<ul style="list-style-type: none"> <li>• Obstetrics by Ten Teachers 20<sup>th</sup> Edition.</li> <li>• Dewhurst text book of obstetrics &amp;Gynaecology 9<sup>th</sup> Edition</li> <li>• Textbook of Obstetrics by Dr. Razia Iftikhar</li> </ul>	8:30 am till 9:30 am	Prof. Farrukh Naheed	1 hour	1-5 LO in Moin Baqai Hall
		5	Rh-Incompatibility	<p><b>At the end of 1 hour interactive lecture, final year MBBS students will be able to</b></p> <ol style="list-style-type: none"> <li>1. Define iso-immunization and Rhesus factor.</li> <li>2. Identify causes.</li> <li>3. Describe the pathophysiology of Rh-incompatibility.</li> <li>4. Suggest the appropriate investigations for the evaluation of Rh-incompatibility during antenatal care.</li> <li>5. Recall the protocol for its prophylaxis.</li> </ol>	<ul style="list-style-type: none"> <li>• Obstetrics by Ten Teachers 20<sup>th</sup> Edition.</li> <li>• Dewhurst text book of obstetrics &amp;Gynaecology 9<sup>th</sup> Edition</li> <li>• Textbook of Obstetrics by Dr. Razia Iftikhar</li> </ul>	8:30 am till 9:30 am	Dr. Musharraf Jahan	1 hour	1-5 LO in Moin Baqai Hall

Week	Section Name or No.	Serial no. of topic	Topic	Learning Objectives	Learning Resources	Time	Facilitator	Duration	Venue
		6	Cholestasis in pregnancy	<p><b>At the end of 1 hour interactive lecture, final year MBBS students will be able to</b></p> <ol style="list-style-type: none"> <li>1. Define cholestasis of pregnancy.</li> <li>2. Describe the pathophysiology of cholestasis of pregnancy.</li> <li>3. Recognize the clinical features of cholestasis of pregnancy.</li> <li>4. Discuss its possible fetomaternal complications.</li> <li>5. Correlate the relevant investigations to confirm the diagnosis.</li> <li>6. Enlist the treatment options to minimize its complications.</li> </ol>	<ul style="list-style-type: none"> <li>• Obstetrics by Ten Teachers 20<sup>th</sup> Edition.</li> <li>• Dewhurst text book of obstetrics &amp; Gynaecology 9<sup>th</sup> Edition</li> <li>• Textbook of Obstetrics by Dr. Razia Iftikhar</li> </ul>	8:30 am till 9:30 am	Prof. Farrukh Naheed	1 hour	1-6 LO in Moin Baqai Hall



Week	Section Name or No.	Serial no. of topic	Topic	Learning Objectives	Learning Resources	Time	Facilitator	Duration	Venue
	<b><u>4.(b) GYNAECOLOGICAL TUMORS</u></b>	1	Tumors of cervix	<p><b>At the end of 1 hour interactive lecture, final year MBBS students will be able to</b></p> <p><b>BENIGN DISEASE OF CERVIX</b></p> <ol style="list-style-type: none"> <li>1. Understand the pathological classification of benign disease of cervix.</li> <li>2. Discuss the pathophysiology of disease pattern.</li> <li>3. Identify the risk factors and associated complication</li> <li>4. Discuss the clinical manifestation to make differential diagnosis.</li> <li>5. Select appropriate investigations.</li> <li>6. Discuss the management plan.</li> </ol> <p><b>At the end of 1 hour interactive lecture, final year MBBS students will be able to</b></p> <p><b>CERVICAL CARCINOMA</b></p> <ol style="list-style-type: none"> <li>7. Identify the risk factors for cervical cancers.</li> <li>8. Discuss the pathophysiological classification according to FIGO.</li> <li>9. Describe the clinical features to make a provisional diagnosis.</li> <li>10. Suggest the investigations for its screening and detail evaluation to approach the diagnosis.</li> <li>11. Outline the management plan.</li> </ol>	<ul style="list-style-type: none"> <li>• Gynaecology by Ten Teachers 20<sup>th</sup> edition.</li> <li>• Jeffcoate's principle of Gynaecology.</li> <li>• Gynaecology by Rashid Latif.</li> </ul>	8:30 am till 9:30 am	Dr. Musharraf Jahan	1 hour	1-6 LO in Moin Baqai Hall
							8:30 am till 9:30 am	Dr. Musharraf Jahan	1 hour

Week	Section Name or No.	Serial no. of topic	Topic	Learning Objectives	Learning Resources	Time	Facilitator	Duration	Venue
				<p><b>At the end of 3.5 hours small group teaching, final year MBBS students will be able to:</b></p> <p>12. Obtain and record history of woman with irregular vaginal spotting or post coital bleeding.</p> <p>13. Organize and discuss history with facilitator.</p> <p>14. Inspect the cervix during P/S examination done by facilitator for taking Pap Smear and cervical biopsy.</p> <p><b>At the end of 1.5 hours simulation based teaching, final year MBBS students will be able to:</b></p> <p>15. Define Pap smear.</p> <p>16. Describe the significance of pap smear</p> <p>17. Demonstrate method of taking pap smear in simulated environment on manikin (conventional method and liquid based cytology).</p> <p>18. Enumerate cytological classification of smear.</p> <p>19. Describe significance of colposcopy for further management.</p>		<p>10:30 am till 2:00 pm</p> <p>2:30 pm till 4:00 pm</p>	<p>Dr. Saadia Akram &amp; Dr. Naila Qamar</p> <p>Dr. Farah Liaquat</p>	<p>3.5 hours</p> <p>1.5 hours</p>	<p>12-14 LO in OPD</p> <p>15-19 LO in Skills lab</p>



Week	Section Name or No.	Serial no. of topic	Topic	Learning Objectives	Learning Resources	Time	Facilitator	Duration	Venue
				<p><b>At the end of 1.5 hours case based discussion, student of final year MBBS will be able to</b></p> <ol style="list-style-type: none"> <li>9. Classify uterine fibroids.</li> <li>10. Discus its symptoms, management and complications through CBD.</li> <li>11. Examine the specimen and identify uterine fibroid.</li> </ol> <p><b>MALIGNANT TUMORS: ENDOMETRIAL CARCINOMA</b></p> <p><b>At the end of 1 hour interactive lecture, student of final year MBBS will be able to</b></p> <ol style="list-style-type: none"> <li>1. Identify the risk factors and causes of endometrial carcinoma.</li> <li>2. Describe the pathophysiology of endometrial carcinoma.</li> <li>3. Recognize the clinical features of endometrial carcinoma.</li> <li>4. Classify endometrial carcinoma according to FIGO classification.</li> <li>5. Suggest the investigations and diagnostic tools required for provisional diagnosis.</li> <li>6. Explain the steps of management according to FIGO classification of tumor grading.</li> </ol>		<p>2:30 pm till 4:00 pm</p>	<p>Dr. Saadia Akram</p>	<p>1.5 hours</p>	<p>9-11 LO in Tutorial room</p>
						<p>8:30 am till 9:30 am</p>	<p>Prof. Farrukh Naheed</p>	<p>1 hour</p>	<p>1-6 LO in Moin Baqai Hall</p>

Week	Section Name or No.	Serial no. of topic	Topic	Learning Objectives	Learning Resources	Time	Facilitator	Duration	Venue
				<p><b>At the end of 1.5 hours small group discussion, student of final year MBBS will be able to</b></p> <p><b>ENDOMETRIAL SAMPLING:</b></p> <ol style="list-style-type: none"> <li>Define Endometrial Sampling.</li> <li>Enlist Indication for endometrial sampling.</li> <li>Identify the pre-requisites for endometrial sampling (endometrial biopsy) in procedure room.</li> <li>Describe methods available for taking endometrial biopsy.</li> <li>Identify instruments used in dilatation and curettage.</li> <li>Identify Instrument (<b>Pipelle</b>).</li> <li>Enlist complications of the procedure.</li> </ol>		2:30 pm till 4:00 pm	Dr. Nazish Ali	1.5 hours	7-13 LO in Tutorial room
		3	Tumors of ovary	<p><b>BENIGN OVARIAN CYST:</b></p> <p><b>At the end of 1 hour interactive lecture, student of final year MBBS will be able to</b></p> <ol style="list-style-type: none"> <li>Classify the types of Ovarian Cyst (pathological or non pathological)</li> <li>Explain its prevalence and etiological Risk factors.</li> <li>Recognize the clinical features of ovarian cyst.</li> <li>Describe approach for its evaluation.</li> <li>Discuss the management options (medical as well surgical).</li> </ol>	<ul style="list-style-type: none"> <li>Gynaecology by Ten Teachers 20<sup>th</sup> edition.</li> <li>Jeffcoate's principle of Gynaecology.</li> <li>Gynaecology by Rashid Latif.</li> </ul>	8:30 am till 9:30 am	Dr. Musharraf Jahan	1 hour	1-5 LO in Moin Baqai Hall

Week	Section Name or No.	Serial no. of topic	Topic	Learning Objectives	Learning Resources	Time	Facilitator	Duration	Venue
				<p><b>At the end of 1.5 hours case based discussion, student of final year MBBS will be able to</b></p> <p>6. Classify ovarian tumors.  7. Discuss the symptoms, management and complication on CBD.  8. Examine the specimen and identify ovarian cyst.</p> <p><b>MALIGNANT TUMORS:</b>  <b>At the end of 1 hour lecture, student of final year MBBS will be able to</b></p> <p>9. Identify the risk factors for ovarian cancers.  10. Classify the ovarian tumors according to FIGO classification.  11. Describe the pathophysiology of ovarian cancer.  12. Suggest the investigations for the diagnosis.  13. Identify the role of ultrasound and MRI for clinical staging.  14. Underline the steps of management according to FIGO classification.</p>		<p>2:30 pm till 4:00 pm</p> <p>8:30 am till 9:30 am</p>	<p>Dr. Farah Liaquat</p> <p>Dr. Mushararf Jahan</p>	<p>1.5 hours</p> <p>1 hour</p>	<p>6-8 LO in Tutorial room</p> <p>9-14 LO in Moin Baqai Hall</p>



Week	Section Name or No.	Serial no. of topic	Topic	Learning Objectives	Learning Resources	Time	Facilitator	Duration	Venue
				<p><b>At the end of 3.5 hours small group teaching, final year MBBS students will be able to</b></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>		10:30 am till 2:00 pm	Dr. Farah Liaquat	3.5 hours	9-11 in OT



## LEARNING RESOURCES

S. NO.	TITLE	AVAILABILITY
<b><u>TEXT BOOKS</u></b>		
1	Ten teachers of gynaecology (20 <sup>th</sup> edition)	Yes
2	Ten teachers of obstetric (20 <sup>th</sup> edition)	Yes
3	Jeffcoate's Principles of Gynaecology (9 <sup>th</sup> edition)	Yes
4	Rashid Latif – Text book of gynaecology (3 <sup>rd</sup> edition)	Yes
5	Textbook of Obstetrics – Dr. Razia Iftikhar	Yes
<b><u>REFERENCE BOOKS</u></b>		
5	High Risk Pregnancy Vol. I , Vol. II (4 <sup>th</sup> 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
<b><u>REFERENCE JOURNALS</u></b>		
10	British Journal of Obs&Gynae (BJOG)	Yes
11	American Journal of Obs&Gyne (AJOG)	Yes
<b><u>GUIDELINES</u></b>		
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. **Summative (Final Assessment)** by external and internal examiners) at end of the year (session) contributes 80% Marks.

## ASSESSMENT FOR OBSTETRICS

- **Formative**
  - Log Book
  - Case Based Presentation
  - Case Based Discussion (CBD)
  - Quiz
  - Questions/Answers
  - Assignments
- **Summative (200 Marks)**
  - **20% (Internal Evaluation) 40 Marks**
    - **10% (Theory) 20 Marks**
    - **10% (OSCE) 20 Marks**
      - 4 Obstetrics stations, each carry 5 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% (OSCE) 80 Marks**
      - 5 Stations, each carry 16 Marks

## ASSESSMENT FOR GYNAECOLOGY

- **Formative**
  - Log Book
  - Case Based Presentation
  - Case Based Discussion (CBD)
  - Quiz
  - Questions/Answers
  - Assignments
  
- **Summative (200 Marks)**
  - **20% (Internal Evaluation) 40 Marks**
    - **10% (Theory) 20 Marks**
    - **10% (OSCE) 20 Marks**
      - 4Gynaecology stations, each carry 5 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% (OSCE) 80 Marks**
      - 5 Stations, each carry 16 Marks