

# **Department of Gynaecology & Obstetrics**



## **Study Guide 4<sup>th</sup> Year & Final Year MBBS**

**Sharif Medical & Dental College,  
Lahore**



## **PREFACE**

Study guides are a major contribution to learning. They are like a tutor sitting beside the student and available 24 hours a day to guide the student what he/she should be doing at any particular stage in the study. Study guides are different from textbooks. These apprise the student at the beginning of an academic session not only about the course outline but also regarding the teaching methodology to be followed throughout the year, learning objectives of each and every academic activity and the assessment methodology that will be followed in an academic session.

The traditional annual academic schedule is followed in Sharif Medical and Dental College. In it the subject of Obstetrics and Gynaecology is taught in the fourth and fifth academic year of a medical student teaching. Keeping in view the mission of University of Health Sciences, Lahore and the vision of our institute a training program has been designed which is intensive and also interesting for the young minds. This guide includes details about various teaching activities and assessments which are to take place throughout these academic years along with the time allocation. Names of faculty have also been mentioned to encourage better interaction between the teacher and the students. A list of prescribed textbooks and reference books is a part of this study guide. Our intention is to improve upon it in the light of the student-feedback every year. We wish you a happy academic session.

Date: 11-08-2021

**Prof. Dr. Maimoona Hafeez,  
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Lahore.**



### **Vision & Mission of UHS**

Qualitative and Quantitative Revolution in Medical Education and Research through Evolution and thereby improve Health Care delivery to Populace.

UHS shall be innovative global center of excellence in learning and research, supporting a community of scholars and professionals committed to serving society, promoting the development of students to reach their true potential in becoming competent, ethical, caring, and inquiring health professionals for the benefit of the country and the wider world.

### **Mission of SMDC**

Sharif Medical & Dental College is dedicated to best serve the nation through preservation and dissemination of advanced knowledge and educating the students by latest trends in learning and research reaching levels pars excellence.

The Institution is committed to provide standardized quality medical education to its students by inculcating professional knowledge, skills and responsibilities in them with the aim of:

- Preparing them as modern physicians having initiative to act as future leaders in their respective fields and becoming lifelong learners.
- Encouraging the spirit of critical thinking through research and publication.
- Building up an understanding of the ethical values compatible with our religion, culture and social norms.
- Developing a sense of being responsible citizens of the society possessing professional competence and instilling in them the values of hard work and dedication thus preparing them to be accountable to the stakeholders and the state.

The Institution is devoted to keep abreast its faculty with the latest trends in Medical Education encompassing teaching/learning methodologies, assessment tools, research opportunities and professionalism to facilitate their professional development, competencies and commitment towards continues learning.

Our patient-centered mission is achieved by outstanding medical care & services in professional practice with due emphasis and focus on our local health needs.

Our mission further elaborate upon establishing academic and research facilities in areas of local demand under global gold standards and leading advancement in research, education & patient care.

### **Vision of SMDC**

To be recognized for the provision of a safe and functional environment conducive to collaborative teaching & learning, comfortable working atmosphere, and conducting world class research through professionalism and excellence.



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## **PLANNED TEACHING ACTIVITIES FOR FOURTH YEAR MBBS DEPARTMENT OF OBSTETRICS & GYNAECOLOGY**

To complete the allocated teaching hours in the subject of Obstetrics and Gynaecology for MBBS Course, teaching has been divided in fourth year and final year. A total of 136 hours teaching will be done in fourth year. Following teaching module has been carefully plan to impart essential knowledge, skill and attitude training so that our students are adequately prepared for university examinations as well as their future medical practice.

### **Lectures:**

A total of 47 lectures are planned for the entire year. These lectures will be delivered by the Professor, Associate Professor or Assistant Professor. All of these have completed their post graduation and have adequate experience after that. These lectures will be interactive and student will encouraged to actively participate.

### **Small Group discussion / Case base learning/ Practical skills/ Seminar:**

These will be conducted 5 times a week. On different days, different duration is allocated as is mentioned on page 3. A senior instructor or faculty member will be facilitating these activities.

## **PLANNED TEACHING ACTIVITIES FOR FINAL YEAR MBBS DEPARTMENT OF OBSTETRICS & GYNAECOLOGY**

To complete the allocated teaching hours in the subject of Obstetrics and Gynaecology for MBBS Course, teaching has been divided in fourth year and final year. A total of 324 hours teaching will be done in final year. Following teaching module has been carefully plan to impart essential knowledge, skill and attitude training so that our students are adequately prepared for university examinations as well as their future medical practice.

### **Lectures:**

A total of 156 lectures are planned for the entire year. These lectures will be delivered by the Professor, Associate Professor or Assistant Professor. All of these have completed their post graduation and have adequate experience after that. These lectures will be interactive and student will encouraged to actively participate.

### **Small Group discussion / Case base learning/ Practical skills/Seminar:**

These will be conducted 6 times a week. On different days, different duration is allocated as is mentioned on page 2. A senior instructor or faculty member will be facilitating these activities.



**TOPICS TO BE DISCUSSED IN LECTURES  
DEPARTMENTS OF OBSTETRICS AND GYNAECOLOGY  
FOURTH YEAR MBBS CLASS**

**OBSTETRICS**

<b>Sr. #</b>	<b>TOPIC</b>	<b>TUTOR</b>	<b>Venue</b>
<b>1</b>	Introduction to Obs and Gynae	Prof Dr Maimoona Hafeez	Lecture Hall 1 /Zoom
<b>2</b>	Conception and implantation	Prof Dr Fauzia Butt	Lecture Hall 1 /Zoom
<b>3</b>	Physiological changes of pregnancy	Dr Nishat Akram	Lecture Hall 1 /Zoom
<b>4</b>	Diagnosis of pregnancy	Dr Rukhsana Zafar	Lecture Hall 1 /Zoom
<b>5</b>	Hyperemesis gravidarum	Dr Shazia Tazion	Lecture Hall 1 /Zoom
<b>6</b>	Physiology of labour	Prof Dr Maimoona Hafeez	Lecture Hall 1 /Zoom
<b>7</b>	Mechanism of labour	Prof Dr Fauzia Butt	Lecture Hall 1 /Zoom
<b>8</b>	Fetal skull and bonny pelvis	Dr Nishat Akram	Lecture Hall 1 /Zoom
<b>9</b>	Stages of labour	Dr Rukhsana Zafar	Lecture Hall 1 /Zoom
<b>10</b>	Management of first, second and third stage of labour	Dr Shazia Tazion	Lecture Hall 1 /Zoom
<b>11</b>	Pueperium	Prof Dr Maimoona Hafeez	Lecture Hall 1 /Zoom
<b>12</b>	Obstetrical procedure	Prof Dr Fauzia Butt	Lecture Hall 1 /Zoom
<b>13</b>	Antepartum Haemorrhage	Dr Nishat Akram	Lecture Hall 1 /Zoom



## GYNAECOLGY LECTURES

<b>1</b>	Anatomy of female genital tract	Prof Dr Maimoona Hafeez	Lecture Hall 1 /Zoom
<b>2</b>	Puberty and adolescence	Prof Dr Fauzia Butt	Lecture Hall 1 /Zoom
<b>3</b>	Menstrual cycle	Dr Nishat Akram	Lecture Hall 1 /Zoom
<b>4</b>	Primary and secondary amenorrhoea	Dr Rukhsana Zafar	Lecture Hall 1 /Zoom
<b>5</b>	Surgical procedure	Dr Shazia Tazion	Lecture Hall 1 /Zoom
<b>6</b>	Abnormal uterine bleeding	Prof Dr Maimoona Hafeez	Lecture Hall 1 /Zoom
<b>7</b>	Ectopic pregnancy	Prof Dr Fauzia Butt	Lecture Hall 1 /Zoom
<b>8</b>	Miscarriage	Dr Nishat Akram	Lecture Hall 1 /Zoom
<b>9</b>	Menopause	Dr Rukhsana Zafar	Lecture Hall 1 /Zoom



**TOPICS TO BE DISCUSSED IN LECTURES  
DEPARTMENTS OF OBSTETRICS AND GYNAECOLOGY  
FINAL YEAR MBBS CLASS**

**OBSTETRICS**

<b>Sr. #</b>	<b>TOPIC</b>	<b>TUTOR</b>	<b>Venue</b>
1	Fetal skull and bony pelvis	Prof Dr Maimoona Hafeez	Lecture Hall 2/ Zoom
2	Management of normal first stage of labour	Prof Dr Fauzia Butt	Lecture Hall 2/ Zoom
3	Analgesia in labour	Dr Nishat Akram	Lecture Hall 2/ Zoom
4	Management of abnormal 1 <sup>st</sup> stage of labour	Dr Rukhsana Zafar	Lecture Hall 2/ Zoom
5	Management of normal 2nd stage of labour	Dr Shazia Tazion	Lecture Hall 2/ Zoom
6	Management of Abnormal 2nd stage of labour	Prof Dr Maimoona Hafeez	Lecture Hall 2/ Zoom
7	Obstructed labour	Prof Dr Fauzia Butt	Lecture Hall 2/ Zoom
8	3 <sup>rd</sup> stage of labour and its complication	Dr Nishat Akram	Lecture Hall 2/ Zoom
9	Obstructed labour	Dr Rukhsana Zafar	Lecture Hall 2/ Zoom
10	Instrumental and operative delivery	Dr Shazia Tazion	Lecture Hall 2/ Zoom
11	Obstetrical shock	Prof Dr Maimoona Hafeez	Lecture Hall 2/ Zoom
12	Transverse lie / oblique lie	Prof Dr Fauzia Butt	Lecture Hall 2/ Zoom
13	Umbilical cord presentation and prolapse	Dr Nishat Akram	Lecture Hall 2/ Zoom
14	Breech presentation	Dr Rukhsana Zafar	Lecture Hall 2/ Zoom
15	Fetal Head malposition, face/ brow presentation	Dr Shazia Tazion	Lecture Hall 2/ Zoom
16	Prolong pregnancy and induction of labour	Prof Dr Maimoona Hafeez	Lecture Hall 2/ Zoom





17	Preterm labour and PPRM	Prof Dr Fauzia Butt	Lecture Hall 2/ Zoom
18	Amniotic fluid abnormality	Dr Nishat Akram	Lecture Hall 2/ Zoom
19	APH	Dr Rukhsana Zafar	Lecture Hall 2/ Zoom
20	Anemia in Pregnancy	Dr Shazia Tazion	Lecture Hall 2/ Zoom
21	Peurperium	Prof Dr Maimoona Hafeez	Lecture Hall 2/ Zoom
22	Medical problem in pregnancy ( epilepsy,throid disease)	Prof Dr Fauzia Butt	Lecture Hall 2/ Zoom
23	Medical problem in pregnancy (Jaundice hepatitis,Renal disease)	Dr Nishat Akram	Lecture Hall 2/ Zoom
24	Pregnancy with diabetes	Dr Rukhsana Zafar	Lecture Hall 2/ Zoom
25	Hypertension in pregnancy	Dr Shazia Tazion	Lecture Hall 2/ Zoom
26	PPH	Prof Dr Maimoona Hafeez	Lecture Hall 2/ Zoom
27	Pregnancy with cardiac disease	Prof Dr Fauzia Butt	Lecture Hall 2/ Zoom
28	IUGR	Dr Nishat Akram	Lecture Hall 2/ Zoom
29	Prenatal diagnosis, role of USG in obs	Dr Rukhsana Zafar	Lecture Hall 2/ Zoom
30	Fetal distress and its management	Dr Shazia Tazion	Lecture Hall 2/ Zoom
31	Congenital Anomalies	Prof Dr Maimoona Hafeez	Lecture Hall 2/ Zoom
32	Rh incompatibility	Prof Dr Fauzia Butt	Lecture Hall 2/ Zoom
33	Multiple gestation	Dr Nishat Akram	Lecture Hall 2/ Zoom
34	Caesarean section	Dr Rukhsana Zafar	Lecture Hall 2/ Zoom
35	VVAC	Dr Shazia Tazion	Lecture Hall 2/ Zoom
36	IUFD	Prof Dr Maimoona Hafeez	Lecture Hall 2/ Zoom
37	Pelvic floor injuries	Prof Dr Fauzia Butt	Lecture Hall 2/ Zoom



			Zoom
<b>38</b>	Pre pregnancy care and congenital abnormalities	Dr Nishat Akram	Lecture Hall 2/ Zoom
<b>39</b>	Perinatal infection	Dr Rukhsana Zafar	Lecture Hall 2/ Zoom
<b>40</b>	Statistics	Dr Shazia Tazion	Lecture Hall 2/ Zoom

### **GYNAECOLGY ( FINAL YEAR)**

<b>1</b>	Miscarriages	Prof Dr Maimoona Hafeez	Lecture Hall 2/ Zoom
<b>2</b>	Ectopic pregnancy	Prof Dr Fauzia Butt	Lecture Hall 2/ Zoom
<b>3</b>	Menstrual irregularities	Dr Nishat Akram	Lecture Hall 2/ Zoom
<b>4</b>	Endometriosis and adenomyosis	Dr Rukhsana Zafar	Lecture Hall 2/ Zoom
<b>5</b>	Gestational trophoblastic disease and choriocarcinoma	Dr Shazia Tazion	Lecture Hall 2/ Zoom
<b>6</b>	Venous thromboembolism	Prof Dr Maimoona Hafeez	Lecture Hall 2/ Zoom
<b>7</b>	Infection of lower genital tract	Prof Dr Fauzia Butt	Lecture Hall 2/ Zoom
<b>8</b>	Infections of upper genital tract	Dr Nishat Akram	Lecture Hall 2/ Zoom
<b>10</b>	Genital ulcer	Dr Rukhsana Zafar	Lecture Hall 2/ Zoom
<b>11</b>	Genital TB	Dr Shazia Tazion	Lecture Hall 2/ Zoom
<b>12</b>	Genital fistula	Prof Dr Maimoona Hafeez	Lecture Hall 2/ Zoom
<b>13</b>	Disease of vulva and vagina	Prof Dr Fauzia Butt	Lecture Hall 2/ Zoom
<b>14</b>	Benign diseases of ovary	Dr Nishat Akram	Lecture Hall 2/ Zoom
<b>15</b>	Malignant diseases of ovary	Dr Rukhsana Zafar	Lecture Hall 2/ Zoom
<b>16</b>	Benign disease of uterus	Dr Shazia Tazion	Lecture Hall 2/ Zoom



17	Malignant diseases of uterus	Prof Dr Maimoona Hafeez	Lecture Hall 2/ Zoom
18	Benign diseases of cervix	Prof Dr Fauzia Butt	Lecture Hall 2/ Zoom
19	Malignant diseases of cervix	Dr Nishat Akram	Lecture Hall 2/ Zoom
20	Urinary incontinence	Dr Rukhsana Zafar	Lecture Hall 2/ Zoom
21	Menopause and HRT	Dr Shazia Tazion	Lecture Hall 2/ Zoom
22	UV prolapsed	Prof Dr Maimoona Hafeez	Lecture Hall 2/ Zoom
23	Sexual dysfunction	Prof Dr Fauzia Butt	Lecture Hall 2/ Zoom
24	Dysmenorrhoea & Dyspareunia	Dr Nishat Akram	Lecture Hall 2/ Zoom
25	Subfertility	Dr Rukhsana Zafar	Lecture Hall 2/ Zoom
26	Contraception	Dr Shazia Tazion	Lecture Hall 2/ Zoom
27	Minor gynaecological procedures	Prof Dr Maimoona Hafeez	Lecture Hall 2/ Zoom
28	Major gynaecological procedures	Prof Dr Fauzia Butt	Lecture Hall 2/ Zoom
29	Role of Ultrasound gynae	Dr Nishat Akram	Lecture Hall 2/ Zoom
30	Pre operative preparation	Dr Rukhsana Zafar	Lecture Hall 2/ Zoom
31	Post operative preparation	Dr Shazia Tazion	Lecture Hall 2/ Zoom
32	Hirsutism and Virilism	Prof Dr Maimoona Hafeez	Lecture Hall 2/ Zoom



**LEARNING OBJECTIVE OF DIFFERENT TOPICS IN OBSTETRICS AND  
GYNAECOLOGY  
FOURTH YEAR MBBS CLASS  
OBSTETRICS LECTURES**

<b>Serial number</b>	<b>Topic</b>	<b>Learning Objective</b>
1	Introduction to Obs and Gynae	<ul style="list-style-type: none"><li>• The students will be able to understand and differentiate between Obstetrical &amp; Gynaecological Cases.</li><li>• Introduction to Department &amp; teaching curriculum.</li></ul>
2	Conception and implantation	<ul style="list-style-type: none"><li>• Students will be able to define fertilization &amp; pathophysiology of implantation which will help them in learning the basics of Obstetrics &amp; part of Gynaecology.</li></ul>
3	Physiological changes of pregnancy	<ul style="list-style-type: none"><li>• To understand the normal physiological changes occurring during pregnancy and to differentiate between normal and abnormal symptoms and signs during pregnancy course.</li></ul>
4	Diagnosis of pregnancy	<ul style="list-style-type: none"><li>• Students will be able to diagnose pregnancy using symptoms, signs and investigation.</li></ul>
5	Hyperemesis gravidarum	<ul style="list-style-type: none"><li>• The students will be able to understand the causes, diagnosis and management of Hyperemesis Gravidarum.</li></ul>
6	Physiology of labour	<ul style="list-style-type: none"><li>• The students will be able to understand the normal physiology of labour</li></ul>
7	Mechanism of labour	<ul style="list-style-type: none"><li>• To make the students familiar to the series of changes in position and attitude that the fetus undergoes during passage through birth canal.</li><li>• (for vertex presentation &amp; gynaecoid pelvis)</li></ul>
8	Fetal skull and bony pelvis	<ul style="list-style-type: none"><li>• The students will be able to understand the anatomy of maternal pelvis and fetal skull</li></ul>
9	Stages of labour	<ul style="list-style-type: none"><li>• The students will be able to understand the normal physiology of labour</li></ul>



<b>10</b>	Management of first, second and third stage of labour	<ul style="list-style-type: none"><li>• The students will be able to understand how to ensure the safe delivery of healthy baby to a fit and satisfied mother using minimum interference.</li><li>• To provide appropriate choice for analgesia, position in labour and a pleasant environment to give birth.</li></ul>
<b>11</b>	Pueperium	<p>The students will be able to understand how to</p> <ul style="list-style-type: none"><li>• Monitor the physiological changes of puerperium.</li><li>• Diagnose and treat any postnatal complication.</li><li>• Establish infant feeding.</li><li>• Give emotional support to mother.</li><li>• Advise about contraception.</li></ul>
<b>12</b>	Obstetrical procedure	<ul style="list-style-type: none"><li>• The students will understand different procedures used in obstetrics, indications, requisites &amp; complications of these procedures.</li></ul>
<b>13</b>	Antepartum Haemorrhage	<p>The students will be able to understand how to</p> <ul style="list-style-type: none"><li>• Provide initial management patient and to understand the necessity to deliver the fetus as soon as possible to safe the life of mother or infant</li></ul>



**LEARNING OBJECTIVE OF DIFFERENT TOPICS IN OBSTETRICS AND  
GYNAECOLOGY  
FOURTH YEAR MBBS CLASS  
GYNAECOLGY LECTURES**

<b>Serial No.</b>	<b>Topic</b>	<b>Learning Objective</b>
<b>1</b>	Anatomy of female genital tract	<ul style="list-style-type: none"> <li>The students can understand names and anatomy of female external &amp; internal genitalia.</li> </ul>
<b>2</b>	Puberty and adolescence	<ul style="list-style-type: none"> <li>To emphasize the physical, social and emotional changes of puberty.</li> </ul>
<b>3</b>	Menstrual cycle	<ul style="list-style-type: none"> <li>By the end of this lecture, students should be able to enumerate different structures and factors required in the establishment and periodic occurrence of menstrual cycles.</li> </ul>
<b>4</b>	Primary and secondary amenorrhoea	<ul style="list-style-type: none"> <li>To determine the prevalence &amp; etiologic causes of primary and secondary amenorrhoea</li> </ul>
<b>5</b>	Surgical procedure	<ul style="list-style-type: none"> <li>To understand the indications and limitations of various surgical procedures</li> </ul>
<b>6</b>	Abnormal uterine bleeding	<ul style="list-style-type: none"> <li>To evaluate the patho physiology of various types of abnormal uterine bleeding and their appropriate treatment</li> </ul>
<b>7</b>	Ectopic pregnancy	<ul style="list-style-type: none"> <li>At the end of lecture students will be able to define and know different types of ectopic pregnancy and how to diagnose and manage its different presentations.</li> </ul>
<b>8</b>	Miscarriage	<ul style="list-style-type: none"> <li>By the end of this lecture student will be able to enumerate various types of miscarriages and how to diagnose and treat them.</li> </ul>
<b>9</b>	Menopause	<p>By the end of this lecture students should be able to:-</p> <ul style="list-style-type: none"> <li>Define menopause</li> <li>Understand pathophysiology of menopause</li> <li>Enumerate changes and causes of menopause</li> <li>Recognize symptoms of menopause</li> </ul> <p>Understand mechanism, route of administration and side effect of HRT</p>



**LEARNING OBJECTIVE OF DIFFERENT TOPICS IN OBSTETRICS AND  
GYNAECOLOGY  
FINAL YEAR MBBS CLASS  
OBSTETRICS**

<b>Serial number</b>	<b>Topic</b>	<b>Learning Objective</b>
<b>1</b>	Fetal skull and bony pelvis	By the end of this session the students will be able to: <ul style="list-style-type: none"><li>• Describe the anatomy of the pelvic inlet, cavity, and outlet</li><li>• List the diameters of the pelvis and their obstetric importance</li><li>• Describe the fetal skull and list its diameters</li></ul>
<b>2</b>	Management of normal first stage of labour	By the end of this session the students will be able to: <ul style="list-style-type: none"><li>• To ensure the safe delivery of healthy baby to a fit and satisfied mother using minimum interference.</li><li>• To provide appropriate choice for analgesia ,position in labour and a pleasant environment to give birth.</li></ul>
<b>3</b>	Analgesia in labour	At the end of lecture students will be able to; <ul style="list-style-type: none"><li>▪ Understand the need and importance of analgesia in different phases of labour.</li><li>▪ Different types of analgesia methods in practice</li></ul>
<b>4</b>	Management of abnormal 1 <sup>st</sup> stage of labour	By the end of this session the students will be able to understand different abnormalities of first stage labour and their management.
<b>5</b>	Management of normal 2nd stage of labour	By the end of this session the students will be able to: <ul style="list-style-type: none"><li>▪ To ensure the safe delivery of healthy baby to a fit and satisfied mother using minimum interference during 2nd stage of labour.</li><li>▪ To provide appropriate choice for analgesia, position in labour and a pleasant environment to give birth.</li></ul>
<b>6</b>	Management of Abnormal 2nd stage of labour	<ul style="list-style-type: none"><li>• By the end of this session the students will be able to understand different abnormalities of first stage labour and their management.</li></ul>
<b>7</b>	Obstructed labour	<ul style="list-style-type: none"><li>▪ At the end of lecture students will be able to define Obstructed Labour, understand diagnosing and managing different types of Obstructed Labour.</li></ul>
<b>8</b>	3 <sup>rd</sup> stage of labour and its complications	<ul style="list-style-type: none"><li>▪ At the end of lecture students will be able to diagnose &amp; manage 3<sup>rd</sup> Stage of Labour and its complications.</li></ul>



9	Instrumental and operative delivery	<ul style="list-style-type: none"> <li>▪ At the end of lecture students will be able to understand different types of instrumental delivery, its indications, contraindications and possible complications.</li> </ul>
10	Obstetrical shock	<ul style="list-style-type: none"> <li>• At the end of lecture students will be able to understand different types of obstetrical shock ,their diagnosis and management</li> </ul>
11	Transverse lie / oblique lie	<ul style="list-style-type: none"> <li>• At the end of this lecture, students will be able to understand what is transverse lie, its causes &amp; significance, how to diagnose and manage it.</li> </ul>
12	Umbilical cord presentation and prolapse	<ul style="list-style-type: none"> <li>• At the end of this lecture, students will be able to understand what is umbilical cord presentation and prolapse, its causes &amp; significance, how to diagnose and manage it.</li> </ul>
13	Breech presentation	<ul style="list-style-type: none"> <li>• At the end of this lecture, students will be able to understand what is breech presentation, its causes &amp; significance, how to diagnose and manage it.</li> </ul>
14	Fetal Head malposition,face/ brow presentation	<ul style="list-style-type: none"> <li>• At the end of this lecture, students will be able to understand what are face presentation, brow presentation and malposition of fetal head, their causes &amp; significance, how to diagnose and manage these..</li> </ul>
15	Prolonged pregnancy and induction of labour	<ul style="list-style-type: none"> <li>• At the end of this lecture, students will be able to understand what is prolonged pregnancy, its effects on foetus &amp; mother &amp; various options of management.</li> </ul>
16	Preterm labour and PPRM	<p>By the end of this lecture students should be able to</p> <ul style="list-style-type: none"> <li>▪ Define preterm labour</li> <li>▪ Diagnose preterm labour</li> <li>▪ Understand causes and risk factors of preterm labour</li> <li>▪ Management of preterm labour</li> </ul>
17	Amniotic fluid abnormality	<ul style="list-style-type: none"> <li>• By the end of this lecture the students will understand the amniotic fluid and its formation, what abnormalities can occur in its volume, causes of aberrant volumes and management of these conditions.</li> </ul>
18	APH	<p>By the end of this lecture students should be able to</p> <ul style="list-style-type: none"> <li>▪ Define APH</li> <li>▪ Diagnose APH</li> <li>▪ Understand causes and risk factors of APH</li> <li>▪ Management of APH</li> </ul>
19	Anemia in Pregnancy	<ul style="list-style-type: none"> <li>• At the end of the lecture students will be able to diagnose different types of anaemias and their management in pregnancy.</li> </ul>





20	Puerperium	<p>Able to:</p> <ul style="list-style-type: none"> <li>• 1.know definitions</li> <li>• 2. make differential diagnosis</li> <li>• 3. know management options of puerperal disorders</li> </ul>
21	Medical problem in pregnancy ( epilepsy,thyroid disease)	<ul style="list-style-type: none"> <li>• By the end of this lecture, students will be able to understand various medical disorders during pregnancy, their diagnosis, effects on mother fetus and management of different problems.</li> </ul>
22	Medical problem in pregnancy (Jaundice hepatitis,Renal disease)	<ul style="list-style-type: none"> <li>• By the end of this lecture, students will be able to understand various medical disorders during pregnancy, their diagnosis, effects on mother fetus and management of different problems.</li> </ul>
23	Pregnancy with diabetes	<ul style="list-style-type: none"> <li>• At the end of this lecture students should be able to enumerate different types of diabetes, its complications and management.</li> </ul>
24	Hypertension in pregnancy	<ul style="list-style-type: none"> <li>• Understand the Different types of Hypertensions encountered in pregnancy.</li> <li>• To deal with these Hypertensions.</li> <li>• Prevention and treatment complications</li> </ul>
25	PPH	<p>By the end of this lecture students should be able to</p> <ul style="list-style-type: none"> <li>▪ Define PPH</li> <li>▪ Diagnose PPH</li> <li>▪ Understand causes and risk factors of PPH</li> <li>▪ Management of PPH</li> </ul>
26	Pregnancy with cardiac disease	<ul style="list-style-type: none"> <li>• To understand the diagnosis and management of cardiac patient in pregnancy</li> <li>• To deal with the complications arising during pregnancy &amp; labour in women with cardiac disease.</li> </ul>
27	IUGR	<ul style="list-style-type: none"> <li>• To understand the causes of low birth weight and IUGR</li> <li>• Management and monitoring</li> <li>• Optimal timing and mode of delivery</li> </ul>
28	Prenatal diagnosis, role of USG in obs	<ul style="list-style-type: none"> <li>• By the end of this lecture students should be able to</li> <li>• Understand importance of fetal surveillance</li> <li>• Enumerate different modalities available for fetal assessment</li> <li>• Understand strengths and weaknesses of antenatal fetal monitoring techniques</li> <li>• Interpretation of antenatal fetal monitoring techniques</li> <li>• Impact on maternal and fetal morbidity</li> </ul>
29	Fetal distress and its management	<ul style="list-style-type: none"> <li>• By the end of this lecture students should be able to</li> <li>• Define fetal distress</li> <li>• Diagnose fetal distress</li> </ul>



		<ul style="list-style-type: none"> <li>• Understand causes and risk factors of fetal distress</li> <li>• Management of fetal distress</li> </ul>
30	Congenital Anomalies	<ul style="list-style-type: none"> <li>• By the end of this lecture, students will be able to understand various type of NTD, Cardiac, GI renal abnormalities and chromosomal abnormalities.</li> </ul>
32	Rh incompatibility	<ul style="list-style-type: none"> <li>• At the end of the lecture the students will be able to understand:             <ul style="list-style-type: none"> <li>– Different blood groups</li> <li>– Define types of Isoimmunisation</li> <li>– Aetiology of Rh Isoimmunisation</li> <li>– Prevention of Rh Isoimmunisation</li> <li>– Complications of Rh Isoimmunisation</li> <li>– Management of Rh Isoimmunisation</li> </ul> </li> </ul>
31	Multiple gestation	<ul style="list-style-type: none"> <li>• By the end of this lecture, students will be able to understand different types of multiple gestation, causes, diagnosis, complication and management options.</li> </ul>
32	Caesarean section	<p>By the end of this lecture, students will be able to understand</p> <ul style="list-style-type: none"> <li>• Aims and Objectives</li> <li>• Procedure and Type of C-Section</li> <li>• Pre-operative Preparation</li> <li>• Complications of C-Section</li> </ul>
33	VVAC	<p>By the end of this lecture, students will be able to understand</p> <ul style="list-style-type: none"> <li>• Terms/ definitions</li> <li>• Evaluate the risks to mother and baby</li> <li>• Evidence based for safe practice of VBAC</li> <li>• Knowledge about patient selection</li> </ul>
34	IUFD	<ul style="list-style-type: none"> <li>• At the end of lecture, students will be able to define the missed miscarriage, intra uterine death and still birth.</li> <li>• Causes and management of IUD</li> </ul>
35	Pelvic floor injuries	<ul style="list-style-type: none"> <li>• By the end of this lecture, students will be able to understand different types of pelvic floor injuries, causes, diagnosis and management options.</li> </ul>
36	Pre pregnancy care and congenital abnormalities	<ul style="list-style-type: none"> <li>• By the end of this lecture, students will be able to understand pre pregnancy care and different methods used to diagnose congenital abnormalities and their management.</li> </ul>



37	Perinatal infection	<ul style="list-style-type: none"><li>• To understand the common viral and bacterial infections seen in pregnancy that have implications for the mother, fetus and infant.</li><li>• Learn which infections are included in routine pregnancy screening and the principles of their management</li><li>• Learn the consequences of perinatal infection on the developing fetus.</li></ul>
38	Statistics	<p>By the end of this lecture students should be able to</p> <ul style="list-style-type: none"><li>• Define maternal mortality &amp; perinatal mortality</li><li>• Causes of maternal mortality &amp; perinatal mortality</li><li>• Steps to reduce maternal mortality &amp; perinatal mortality</li><li>• Understand audit</li><li>• Familiar with millennium development goals</li></ul>



**LEARNING OBJECTIVE OF DIFFERENT TOPICS IN OBSTETRICS AND  
GYNAECOLOGY  
FINAL YEAR MBBS CLASS  
GYNAECOLGY LECTURES**

<b>Serial number</b>	<b>Topic</b>	<b>Learning Objective</b>
<b>1</b>	Miscarriages	<ul style="list-style-type: none"><li>• By the end of this lecture students will be able to enumerate various types of miscarriages and how to diagnose and treat them.</li></ul>
<b>2</b>	Ectopic pregnancy	<ul style="list-style-type: none"><li>• At the end of lecture students will be able to define and know different types of ectopic pregnancy and how to diagnose and manage its different presentations.</li></ul>
<b>3</b>	Menstrual irregularities	<ul style="list-style-type: none"><li>• By the end of this lecture students will be able to enumerate various types of menstrual irregularities, their causes, diagnosis and management</li></ul>
<b>4</b>	Endometriosis and adenomyosis	<ul style="list-style-type: none"><li>• At the end of lecture, students, will be able to understand its causes, predisposing factors, symptoms, signs, diagnosis &amp; treatment of endometriosis &amp; adenomyosis.</li></ul>
<b>5</b>	Gestational trophoblastic disease and choriocarcinoma	<ul style="list-style-type: none"><li>• At the end of the lecture students will be able to know the classification, pathology, signs and symptoms and management of the gestational trophoblastic disease</li></ul>
<b>6</b>	Venous thromboembolism	<ul style="list-style-type: none"><li>• At the end of lecture, students, will be able to understand its causes, predisposing factors, symptoms, signs, diagnosis &amp; treatment of venous thromboembolism</li></ul>
<b>7</b>	Infection of lower genital tract	<ul style="list-style-type: none"><li>• By the end of this lecture, students should be able to tell different causes of vaginal discharge, their clinical presentation, investigations and treatment</li></ul>
<b>8</b>	Infections of upper genital tract	<ul style="list-style-type: none"><li>• By the end of this lecture, students should be able to tell different causes of upper genital tract infections, their clinical presentation, investigations and treatment</li></ul>
<b>9</b>	Genital ulcer	<ul style="list-style-type: none"><li>• By the end of this lecture, students should be able to tell different causes of genital ulcers, their clinical presentation, investigations and</li></ul>

		treatment
<b>10</b>	Genital TB	<ul style="list-style-type: none"> <li>• By the end of this lecture, students should be able to tell risk factors of genital TB, its clinical presentation, investigations and treatment</li> </ul>
<b>11</b>	Genital fistula	<p>By the end of this lecture students should be able to</p> <ul style="list-style-type: none"> <li>• Define and classify genital fistulae</li> <li>• Understand aetiology of genital fistulae</li> <li>• Recognize symptoms of genital fistulae</li> <li>• Investigate genital fistulae</li> <li>• Understand management of genital fistulae</li> </ul>
<b>12</b>	Disease of vulva and vagina	<p>By the end of the lecture, student should be able to:-</p> <ul style="list-style-type: none"> <li>• Understand pathology and management of vulval ulcer and benign condition of vulva and vagina.</li> <li>• Understand management of VIN.</li> <li>• Understand epidemiology and pathology of vulval cancer.</li> <li>• Understand presentation of vulval cancer.</li> <li>• Outline staging and management of vulval cancer.</li> </ul>
<b>13</b>	Benign diseases of ovary	<p>By the end of this lecture students should be able to</p> <ul style="list-style-type: none"> <li>➤ Enumerate benign diseases of ovary</li> <li>➤ Understand patho-physiology of benign diseases of ovary</li> <li>➤ Recognize symptoms of benign diseases of ovary</li> <li>➤ Outline the management of benign diseases of ovary</li> </ul>
<b>14</b>	Malignant diseases of ovary	<p>By the end of this lecture students should be able to</p> <ul style="list-style-type: none"> <li>➤ Understand aetiology of cancer of ovary</li> <li>➤ Classify ovarian tumors</li> <li>➤ Understand pathology of ovarian tumors</li> <li>➤ Recognize symptoms of ovarian tumors</li> <li>➤ Staging of ovarian tumors</li> </ul> <p>Management of ovarian tumors</p>
<b>15</b>	Benign disease of uterus	<p>By the end of this lecture students should be able to</p> <ul style="list-style-type: none"> <li>➤ Enumerate benign diseases of uterus</li> <li>➤ Understand pathophysiology of benign diseases of uterus</li> <li>➤ Recognize symptoms of benign diseases of uterus</li> <li>➤ Management of benign diseases of uterus</li> </ul>
<b>16</b>	Malignant diseases of uterus	<ul style="list-style-type: none"> <li>➤ Understand incidence &amp; etiology of malignant diseases of uterus</li> <li>➤ Understand pathophysiology of malignant diseases</li> </ul>



		<p>of uterus</p> <ul style="list-style-type: none"> <li>➤ Describe diagnostic techniques in diagnosis of malignant diseases of uterus</li> <li>➤ Recognize</li> <li>➤ Describe FIGO staging</li> <li>➤ Management of malignant diseases of uterus</li> </ul>
<b>17</b>	Benign diseases of cervix	<p>By the end of this lecture students should be able to</p> <ul style="list-style-type: none"> <li>➤ Enumerate benign diseases of cervix</li> <li>➤ Understand pathophysiology of benign diseases of cervix</li> <li>➤ Recognize symptoms of benign diseases of cervix</li> <li>➤ Management of benign diseases of cervix</li> <li>➤ Screening for cervical cancer</li> </ul>
<b>18</b>	Malignant diseases of cervix	<p>By the end of this lecture students should be able to</p> <ul style="list-style-type: none"> <li>➤ Symptoms of cervical cancer</li> <li>➤ FIGO staging of cervical cancer</li> <li>➤ Management of cervical cancer</li> </ul>
<b>19</b>	Urinary incontinence	<p>By the end of this lecture students should be able to:-</p> <ul style="list-style-type: none"> <li>• Define urinary incontinence</li> <li>• Understand pathophysiology of urinary incontinence</li> <li>• Enumerate causes and types of urinary incontinence</li> <li>• Recognize symptoms, diagnosis and management of different types of urinary incontinence</li> </ul>
<b>20</b>	Menopause and HRT	<p>By the end of this lecture students should be able to:-</p> <ul style="list-style-type: none"> <li>• Define menopause</li> <li>• Understand pathophysiology of menopause</li> <li>• Enumerate changes and causes of menopause</li> <li>• Recognize symptoms of menopause</li> <li>• Understand mechanism, route of administration and side effect of HRT.</li> </ul>
<b>21</b>	UV prolapse	<p>By the end of this lecture students should be able to:-</p> <ul style="list-style-type: none"> <li>• Define UV prolapse</li> <li>• Understand pathophysiology of UV prolapse</li> <li>• Enumerate changes and causes of UV prolapse</li> <li>• Recognize symptoms, diagnosis and management of different types of UV prolapse</li> </ul>
<b>22</b>	Sexual dysfunction	<ul style="list-style-type: none"> <li>• At the end of this lecture, students will be able to understand ;</li> <li>• the basics of sexual response cycle, types and causes of sexual dysfunction and treatment of</li> </ul>



		sexual dysfunction.
23	Dysmenorrhoea & Dyspareunia	<ul style="list-style-type: none"> <li>• By the end of this lecture, students should be able to</li> <li>• Define dysmenorrhea</li> <li>• Differentiate between primary and secondary dysmenorrhea</li> <li>• Able to manage dysmenorrhea</li> <li>• Define dyspareunia</li> <li>• Differentiate between primary and secondary dyspareunia</li> <li>• Able to manage dyspareunia</li> </ul>
24	Subfertility	<ul style="list-style-type: none"> <li>• At the end of the lecture students will be able to know the causes of Sub-fertility in males and females and able to manage it.</li> </ul>
25	Contraception	<ul style="list-style-type: none"> <li>• By the end of this lecture students should be able to:-</li> <li>• Define contraception</li> <li>• Enumerate different types of contraception</li> <li>• Understand mode of action, contraindications and side effects of different types of contraception</li> <li>• Understand importance of natural contraception</li> <li>• Understand importance of permanent contraception.</li> </ul>
26	Minor gynaecological procedures	<ul style="list-style-type: none"> <li>• By the end of this lecture, students should be able to:</li> <li>• Understand indications, procedure and complications of</li> <li>• Dilatation &amp; curettage</li> <li>• Laparoscopy</li> <li>• Hysteroscopy</li> <li>• Surgical instruments</li> </ul>
27	Major gynaecological procedures	<ul style="list-style-type: none"> <li>• By the end of this lecture, students should be able to:</li> <li>• Understand indications, procedure and complications of</li> <li>• Hysterectomy</li> <li>• Abdominal</li> <li>• Vaginal</li> </ul>

		<ul style="list-style-type: none"> <li>• Myomectomy</li> <li>• Manchester repair</li> </ul>
<b>28</b>	Role of Ultrasound gynae	<input type="checkbox"/> By the end of this lecture students should be able to <ul style="list-style-type: none"> <li>• Understand importance of fetal surveillance</li> <li>• Enumerate different modalities available for fetal assessment</li> <li>• Understand strengths and weaknesses of antenatal fetal monitoring techniques</li> <li>• Interpretation of antenatal fetal monitoring techniques</li> <li>• Impact on maternal and fetal morbidity</li> </ul>
<b>29</b>	Pre operative preparation	<ul style="list-style-type: none"> <li>• By the end of this lecture, students should be able to understand different steps in pre operative preparation of the patient</li> </ul>
<b>30</b>	Post operative preparation	<ul style="list-style-type: none"> <li>• By the end of this lecture, students should be able to understand different steps in post operative preparation of the patient</li> </ul>
<b>31</b>	Hirsutism and Virilism	<ul style="list-style-type: none"> <li>• By the end of this lecture, students should be able to understand</li> <li>• Normal /abnormal hair growth</li> <li>• Causes of hirsutism</li> <li>• Manage hirsutism.</li> </ul>





## Continuous Internal Assessment

Internal assessment carries 10% weightage in final professional examination. It will be decided by the performance of student in the whole academic year.

Students' knowledge about the subject is assessed at various levels.

**Class Tests** are held after the completion of each topic in class lecture hall which includes (a) MCQs (multiple choice questions)

(b) SBAs (single best answer)

(b) SAQs (short answer questions)

**Ward tests** held in ward of the respectable ward batch. It has two parts

(a) OSPE

(b) Long case and VIVA

Every student is mandatory to pass in the ward test.

**Skill Demonstration**

Student's knowledge & its effectiveness are checked by skill demonstration on mannequin.

**Communication skills**

Communication skills of students are polished and assessed in counseling session with patients.



## **FACULTY MEMBERS**

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- **Senior Registrar Dr . Anila sabir** (Akmal9@hotmail.com)



## **RECOMMENDED TEXT BOOKS**

- 1) **Obstetrics & Gynaecology by Ten Teachers** by Stuart Campbell and Christoph Lees, 20<sup>th</sup>
- 2) **Obstetrics & Gynaecology** by Dr.Arshad Chauhan
- 3) **Online Journals and Reading Materials** through HEC Digital Library Facility.
- 4) **Illustrated Obstetrics & Gynaecology** by Hanretty 6<sup>th</sup> Ed.
- 5) **Dew Hertz Obstetrics & Gynaecology**