

# STUDY GUIDE GYNAE & OBS. 5<sup>th</sup> Year

## MBBS COURSE

### Contents

S. No.	Subject	Page No.
1.	Mission Statement	02
2.	Introduction	03
3.	Learning Resources	04
4.	Learning Methodology	05
5.	Assessment	06
6.	Lecture Schedule	07
7.	Clinical Rotation Schedule	09
8.	Marking Scheme	10
9.	Syllabus for 5th Year MBBS course of Gynae & Obs.	11
10.	Weekly Time Table 5th Year MBBS	16

# Mission Statement



## *Guiding your passion to profession*

IMC Strives to improve health care in Faisalabad, our country and the world through excellence.

We seek to foster the development of dedicated clinicians, scientists, professionals and educators to provide leadership in education, services and discovery.

### **Vision:**

To be an institution with

- An environment to develop creative free thinking and life long learners.
- A culture of objective research to transform health care delivery.
- Quality professional educational program based on innovation and collaboration.
- High moral and ethical values.
- Serving the needs of community in the best tradition of profession.

### **Goals:**

- To develop humanist, skilled, intellectually disciplined and innovative medical professionals with dedication to those who they treat, lead and serve
- To educate and guide the next generation of leaders in healthcare and medical science to provide and sustain achievements in service, teaching and research.
- To provide comprehensive and effective patient centered, culturally sensitive, compassionate and innovative health care of highest quality to all.
- To recruit, develop and nurture and independent and academically outstanding community of faculty, student, trainees and staff, who each contribute to excellence in our missions.
- To promote professional and personal growth, productive, accountability, integrity and synergistic collaboration and synergy of faculty, students and staff

**Independent Medical College, Faisalabad.**  
info@imc.edu.pk, www.imc.edu.pk

## INTRODUCTION

### WHAT IS A STUDY GUIDE?

It is an aid to:

- A. Inform students how student learning program of the subject has been Organized
- B. Help students organize and manage their studies throughout the year
- C. Guide students on assessment methods, rules and regulations

### THE STUDY GUIDE:

- Communicates information on organization and management of the module.
- This will help the student to contact the right person in case of any difficulty.
- Defines the objectives which are expected to be achieved at the end of the program.
- Identifies the learning strategies such as lectures, small group teachings, clinical skills, Demonstration, tutorial and case based learning that will be implemented to achieve the Learning objectives.
- Provides a list of learning resources such as books, computer assisted learning program, web-links, and journals, for students to consult in order to maximize their learning.
- Highlights information on the contribution of continuous and test on the Student's overall performance.
- Includes information on the assessment methods that will be held to determine every student's Achievement of objectives.
- Focuses on information pertaining to examination policy, rules and regulations.

## GYNAE & OBS. FOR 5<sup>th</sup> YEAR MBBS

**Subject: Gynae & Obs.**

**Year: Fifth Year**

**Duration: 36 weeks**

Fifth year	50 hours 2 Lecture/week	200 Hours (Clinical rotation 4 weeks)
4th Year		50 Hours (Clinical rotation 4 weeks)

### AT THE END OF 5<sup>TH</sup> YEAR MBBS STUDENT WILL BE ABLE TO

- Demonstrate his ability to obtain a relevant clinical history from a female and obstetrics patients.
- Demonstrate his ability to perform examination of female with pregnancy and gynaecological problem.
- Interpret clinical and laboratory data to arrive at a diagnosis.
- Advise appropriate nutritional measures for pregnant female.
- Counsel the parents on health promotive and disease preventive strategies for females e.g. immunization procedures; hand washing.
- Recognize and manage common health problems of female and pregnant.
- Recognize the danger signs of disease in female and be able to appropriately refer with severe disease to appropriate specialists/hospitals.
- Demonstrate his ability to perform essential clinical procedures relevant to females and pregnancy.

### RULES AND REGULATION

- 75% attendance in theory and clinical classes in mandatory.
- All progress will be recorded on clinical log book.
- Pass marks for assessment will be 50%.
- All this will be credited in internal assessment for Final Professional.
- Any Conflict will be resolved by Co-Ordinator.
- All students will have to fill online feedback performa.

## LEARNING RESOURCES

The department of Obs & Gynae will require following resources for implementation resources:

- Human resource
- Instructors (faculty members 8)
- Curriculum coordinator curriculum secretary
- Infrastructure
- Lecture hall with AV aids
- Tutorial room with AV aids
- Clinical skills Lab with manikins
- Simulated patients and simulated manikins
- Computers

### LISTS OF CONTENT RESOURCES

- Obstetrics by Ten Teachers by Stuart Campbell and Christoph Lees. 17th Ed 2000.
- Gynaecology by Ten Teachers by Stanley G. Clayton and Ash Monga 2006.
- Essentials of Obstetrics and Gynecology by Neville F. Hacker, J. George Moore, and Joseph C. Gambone. 4th ed. 2004
- Notes on Obstetrics & Gynecology by Stirrat, Mills, Draycott. 5th Ed. 2003.
- Text book of Obstetrics and Gynecology by Rashid Lateef
- Obstetrics and Gynecology by Arshad Chauhan
- Online Journals and Reading Materials through HEC Digital Library Facility.

### CLINICAL LOG BOOK AND HISTORY REGISTER

#### E-LEARNING

- e-IMC phone app for online lectures
- IMC youtube channel

#### JOURNALS

- The Professional Medical Journal
- Independent Review (H-2000)
- Independent Journal of Allied Health Sciences
- Online Journals and Reading Materials through HEC Digital Library Facility

## LEARNING METHODOLOGY

The following teaching / learning methods are used to promote better understanding:

- Interactive Lectures
- Hospital / Clinic visits
- Small Group Discussion
- Case- Based Learning
- Skills session
- E-Learning
- Self-Directed Study

**INTERACTIVE LECTURES:** In large group, the lecturer introduces a topic or common clinical conditions and Explains the underlying phenomena through questions, pictures, videos of patients' interviews, Exercises, etc. Students are actively involved in the learning process.

**SMALL GROUP DISCUSSION (SGD):** This format helps students to clarify concepts acquire skills or attitudes. Sessions are structured with the help of specific exercises such as patient case, interviews or discussion topics. Students exchange opinions and apply knowledge gained from lectures, tutorials and self-study. The facilitator role is to ask probing questions, summarize, or rephrase to help clarify concepts.

**CASE- BASED LEARNING:** A small group discussion format where learning is focused around a series of questions based on a clinical scenario. Students discuss and answer the questions applying relevant knowledge gained in clinical and basic health sciences during the module.

**SKILLS SESSION:** Skills relevant to respective module are observed and practiced where applicable in skills laboratory or Department of Physiotherapy.

**SELF DIRECTED STUDY:** Students assume responsibilities of their own learning through individual study, sharing and discussing with peers, seeking information from Learning Resource Center, teachers and resource persons within and outside the college. Students can utilize the time within the college scheduled hours of self-study.

**E-LEARNING:** E-Learning is a strategy by which learning occurs through the utilization of electronic media, typically the Internet. The basic aspects of medical professionalism and ethics will be addressed through an e-learning course

**CLINICAL ROTATION:** In small groups, students observe patients with signs and symptoms in hospital or Clinical settings. They will have opportunity to practice clinical skills. This helps students to relate knowledge of basic and clinical sciences of the relevant module.

## ASSESSMENT

### MCQ's and SEQ's

Multiple choice question and short essay question test will be used at the end of part of curriculum to assess the learning of knowledge. These all assessment exercises will be formative. The written tests like Multiple-Choice Questions (MCQs) and Short-Essay Questions (SEQs) test formats are used for the assessment of cognitive domain. The MCQs are more objective and essentially select type of item response format. MCQs have a cueing effect, which promotes guessing and leads to higher scores. In addition, writing MCQs of higher cognitive level of problem solving is challenging. On the contrary, the SEQs are more subjective and have a supply or construct type item response format, which does not have any cueing effect and can effectively assess problem solving skills(8).

### OSCE AND SHORT CASE

Short case and OSCE will be used to evaluate clinical skills and procedural skills at the ward end of placement. The OSCE is a method of clinical skill assessment, and it has been reported to be appropriate for assessing learning achievement levels in the psychomotor and emotional domains, which are difficult to evaluate with written examinations(9).

### CLINICAL LOG BOOK

Clinical log book is meant for self directed learning (SDL) and assessment of students. The clinical logbook includes reflection which helps the students to set educational goals.

### MINI-CEX

Mini-CEX is used to assess the clinical skills and problem solving skills of medical students. This is the tool used by clinical teachers. This can assess all three domains, Pyschomotor, cognitive and affective. This also used as formative assessment.

Evaluation plan		
Each Module	Written test (MCQ and SEQ)	Formative
After 4 weeks of ward placement	Ward test (OSCE and short case)	Formative
At end of 36 weeks	Send up exam (MCQ and SEQ) Viva voce	Formative
Annual	University Professional exam	Summative

### INTERNAL ASSESSMENT

- i. The weightage of internal assessment shall be 10% of totals marks.
- ii. Continuous internal assessment shall consist of evaluation at the end of each assignments, e.g. stages/ sub-stage, class tests etc., attitudinal assessment from educational supervisors.
- iii. Assessment of knowledge, Skills and Attitude shall contribute toward internal assessment. Methods used to assess these domains shall include Multiple Choice Questions of one-best type, Short essay questions, Oral/Viva, and Practical/Clinical axaminations.
- iv. The score of internal assessment shall contribute to the score in the final examination, Final university examination of each subject shall contribute 90 to total score, and the candidate shall pass in aggregate.
- v. Proper record of continuous internal assessment shall be maintained.

## EDUCATIONAL PLANNING GYNECOLOGY FINAL YEAR MBBS

No	Date	Topic	Module	Teacher		
<b>Module 1: Basic sciences, menstruation and disorders of menstruation</b>						
1	05-4-20	Anatomy of pelvis and reproductive tract	Module 1	Dr.Iram	<b>First term</b>	
2	07-4-20	Physiology of Menstrual Cycle	Module 1	Dr.Iram		
3	12-4-20	Menstrual disorders (AUB and heavy menstrual bleeding)	Module 1	Dr.Iram		
4	14-4-20	Primary and secondary amenorrhea	Module 1	Dr.Iram		
5	19-4-20	Premenstrual syndrome and PCOS	Module 1	Dr.Iram		
6	21-4-20	Menopause + Role of USG in Gynae	Module 1	Dr.Iram		
<b>Module2: Early pregnancy complications</b>						
7	26-4-21	Ectopic Pregnancy	Module 2	Dr.Iram	<b>Second Term</b>	
8	28-4-21	Miscarriages and Gestational Trophoblastic Disorders	Module 2	Dr.Iram		
<b>TEST 1: Module 1 &amp; 2</b>						
<b>Module 3: Reproductive Health</b>						
9	03-5-21	Subfertility (assessment and Investigation)	Module 3	Dr.Uzma M		
10	05-5-21	Management of subfertility + ART	Module 3	Dr.Uzma M		
11	17-5-21	Chronic pelvic pain and endometriosis	Module 3	Dr.Uzma M	<b>Third Term</b>	
12	19-5-21	Vaginal Infection	Module 3	Dr.Uzma M		
13	24-5-21	Pelvic inflammatory disease	Module 3	Dr.Uzma M		
14	26-5-21	Contraception (Short Term)	Module 3	Dr.Uzma M		
15	31-5-21	Contraception (Long Term)	Module 3	Dr.Uzma M		
<b>Module 4: Urogynecology</b>						
16	02-6-21	Uterovaginal Prolapse	Module 4	Dr. Uzma M		
17	07-6-21	Urodynamics	Module 4	Dr. Uzma M	<b>TEST 5: Module 5</b>	
<b>TEST 3: Module 3 &amp; 4</b>						
<b>Module 5: Tumors of Genital Tract</b>						
18	09-6-21	Fibroid and adenomyosis	Module 5	Dr. Saadia		
19	14-6-21	Cervical intraepithelial neoplasia	Module 5	Dr. Saadia		
20	16-6-21	Benign condition of Ovary	Module 5	Dr.Saadia		
21	21-6-21	Benign and malignant condition of Vulva and Vagina	Module 5	Dr. Saadia		
22	23-6-21	Malignant disease of uterus	Module 5	Dr. Saadia		
23	28-6-21	Malignant disease of Ovary	Module 5	Dr. Saadia		
24	30-6-21	Malignant disease of Cervix	Module 5	Dr. Saadia		
25	05-7-21	Common Gynecological procedures	Module 5	Dr. Saadia		

## EDUCATIONAL PLANNING OBSTETRICS FINAL YEAR MBBS

No	Date	Topic	Module	Teacher		
<b>Module 6: Antenatal care</b>						
26	06-04-21	Introduction and obstetric history	Module 6	Dr Nadia	<b>First term</b>	
27	08-04-21	Physiological changes in pregnancy	Module 6	Dr Nadia		
28	13-04-21	Antenatal assessment	Module 6	Dr Nadia		
29	15-04-21	Assessment of fetal wellbeing and post term pregnancy	Module 6	Dr Nadia		
30	20-04-21	Prenatal diagnosis	Module 6	Dr Nadia		
31	22-04-21	Multiple pregnancy	Module 6	Dr Nadia		
32	27-04-21	Pre term labor and PROM	Module 6	Dr Nadia		
33	29-04-21	APH	Module 6	Dr Nadia		
<b>Module 7: Fetal Medicine</b>						
34	04-05-21	Small for gestational age	Module 7	Dr Nadia		
35	06-05-21	Amniotic fluid abnormalities	Module 7	Dr Nadia		
36	15-05-21	Rhesus isoimmunization	Module 7	Dr Nadia		
<b>TEST 2: Module 6 &amp; 7</b>						
<b>Module 8: Labor and abnormalities of Labor</b>						
37	20-5-21	Maternal pelvic and fetal anatomy	Module 8	Dr Uzma S	<b>Second Term</b>	
38	25-5-21	Normal labor, indication and management	Module 8	Dr Uzma S		
39	27-5-21	Analgesia in labor	Module 8	Dr Uzma S		
40	01-6-21	Abnormal labor and malpositions	Module 8	Dr Uzma S		
41	03-6-21	malpresentation	Module 8	Dr Uzma S		
42	08-6-21	Maternal collapse, PPH and amniotic fluid embolism	Module 8	Dr Uzma S		
43	10-6-21	VBAC, uterine rupture and cord prolapse	Module 8	Dr Uzma S		
44	15-6-21	Puerperium and complications	Module 8	Dr Uzma S		
<b>TEST 4: Module 8</b>						
<b>Module 9: Maternal Medicine</b>						
45	17-06-21	Hypertensive disorders of pregnancy	Module 9	Dr Tasneem	<b>Third Term</b>	
46	22-06-21	Gestational diabetes	Module 9	Dr Tasneem		
47	24-06-21	Anemia in pregnancy	Module 9	Dr Tasneem		
48	29-06-21	Cardiac disease	Module 9	Dr Tasneem		
49	01-07-21	Liver obstetric cholestasis, epilepsy and thyroid disorders	Module 9	Dr Tasneem		
50	06-07-21	Thrombotic diseases	Module 9	Dr Tasneem		
51	08-07-21	Perinatal infections	Module 9	Dr Tasneem		
<b>TEST 6: Module 9</b>						



## CLINICAL ROTATION SCHEDULE

<b>Department</b>	Obstetrics and Gynecology
<b>Class</b>	Fifth Year
<b>Duration of course</b>	4 weeks
<b>Educational hours</b>	150 hours (4 hours/daily)
<b>Location</b>	Ward, OPD, Tutorial room
<b>Tutors</b>	Assistant professor, associate Professor, Professor

Week	SGD/ Case Discussion	Clinical methods	Clinical skills and OSPE
<b>Week 1</b>	Preterm and PROM Multiple pregnancy Gestational diabetes mellitus Pregnancy induced hypertension Oligohydramnios & small gestational age	History taking Calculation of EDD	Protocol for pre term OSPE Twin twin syndrome Shoulder dystocia CTG & Biophysical profile
<b>Week 2</b>	Placenta previa Placenta abruption Malpresentation Anemia in pregnancy Cardiac diseases and epilepsy in pregnancy	Vaginal examination partogram	Protocol of APH Protocol of PPH Normal labor Fetal skull Breech presentation
<b>Week 3</b>	Early pregnancy complication (miscarriage and ectopic pregnancy) Abnormal uterine bleeding Fibroid uterus Infertility	Abdominal examination	MVA and suction curettage D&C contraception
<b>Week 4</b>	Uterovaginal prolapse Pelvic mass /ovarian tumor Primary amenorrhea Post-menopausal bleeding	Hysterectomy LSCS	Pessary Endo sampling

### Evaluation:

- Attendance of 75% is mandatory
- 15 clinical histories must be completed on history register
- Every Saturday will be formative assessment for course work of that week
- End of course work will be ward test
- Ward test will be OSPE and 2 short cases.
- All students will bring their examination kit & clinical examination manual during clinical rotation.

## CLINICAL ROTATION SCHEDULE

<b>Department</b>	Obstetrics and Gynecology
<b>Class</b>	Fourth Year
<b>Duration of course</b>	4 weeks
<b>Educational hours</b>	50 hours (2 hours/daily)
<b>Location</b>	Ward, OPD, Tutorial room
<b>Tutors</b>	Assistant professor, associate Professor, Professor

Week	SGD/ Case Discussion	Clinical methods
<b>Week 1</b>	Preterm and PROM Multiple pregnancy Gestational diabetes mellitus Pregnancy induced hypertension Oligohydramnios & small gestational age	History taking Calculation of EDD
<b>Week 2</b>	Placenta previa Placenta abruption Malpresentation Anemia in pregnancy Cardiac diseases and epilepsy in pregnancy	Vaginal examination partogram
<b>Week 3</b>	Early pregnancy complication (miscarriage and ectopic pregnancy) Abnormal uterine bleeding Fibroid uterus Infertility	Abdominal examination
<b>Week 4</b>	Uterovaginal prolapse Pelvic mass /ovarian tumor Primary amenorrhea Post-menopausal bleeding	Hysterectomy LSCS

### Evaluation:

- Attendance of 75% is mandatory
- 15 clinical histories must be completed on history register
- Every Saturday will be formative assessment for course work of that week
- End of course work will be ward test
- Ward test will be OSPE and 2 short cases.
- All students will bring their examination kit & clinical examination manual during clinical rotation.

## MARKING SCHEME FOR FINAL PROFESSIONAL

FINAL PROFESSIONAL MARKING SCHEME				
Theory				
	SEQ	MCQ	Int. Ass	Sub Total
Obstetrics	35	35	15	150
Gynecology	30	35		
Clinical				
Long case X1 case		OSPE	Int. Ass	Sub total
60		75	15	150
				Total: 300

Modules	Objectives	Instructional strategy				Assessment			
		Lecture	Ward	SGD	skill	MCQ	SEQ	OSPE	SC & LC
Module 1 Basic sciences and disorders of menstruation	Describe Anatomy of pelvis and reproductive tract	••	••			••	••	••	
	Explain Physiology of Menstrual Cycle	••	••			••	••	••	
	Outline Menstrual disorders	••	••	••		••	••	••	••
	Discuss Primary and secondary amenorrhea	••	••	••		••	••	••	••
	Explain Premenstrual syndrome and PCOS	••	••	••		••	••	••	••
	Describe physiology and management of Menopause	••	••	••		••	••	••	••
	Demonstrate Role of USG in Gynae	••	••	••	••	••	••	••	
Module 2 Early pregnancy complications	Describe Ectopic Pregnancy	••	••	••		••	••	••	••
	Outline diagnosis and management of Miscarriages	••	••	••		••	••	••	••
	Discuss abortions and types of abortions	••	••	••		••	••	••	••
	Explain Gestational Trophoblastic Disorders	••	••	••		••	••	••	••
	Discuss acute abdominal pain in females		••	••		••	••		
Module 3 Reproductive Health	Describe assessment & investigation of Subfertility		••	••		••	••	••	••
	Outline artificial reproductive techniques		••	••		••	••	••	
	Discuss Chronic pelvic pain and endometriosis		••	••		••	••	••	••
	Explain various Vaginal Infections		••	••		••	••	••	••
	Describe diagnosis and management of PID		••	••		••	••	••	••
	Explain various methods of contraception		••	••		••	••	••	
Module 4 Tumors of Genital tract	Discuss Fibroid and adenomyosis	••	••	••		••	••	••	••
	Explain Cervical intraepithelial neoplasia	••	••	••		••	••	••	••
	Benign condition of Ovary	••	••	••		••	••	••	••
	Explain neoplastic diseases of Vulva and Vagina	••	••	••		••	••	••	••
	Outline management of Malignancies of uterus	••	••	••		••	••	••	••
	Describe management of Malignancies of Ovary	••	••	••		••	••	••	••
	Describe management of malignancies of Cervix	••	••	••	••	••	••	••	
	Describe Common Gynecological procedures								
Module 5 Urogynecology									
	Describe anatomy of pelvic floor	••		••		••	••	••	
	Explain uterovaginal prolapse	••	••	••		••	••	••	••
	Outline urodynamic studies			••		••	••		
	Describe common perineal repair procedures			••		••	••		

Modules	Objectives	Instructional strategy				Assessment			
		Lecture	Ward	SGD	skill	MCQ	SEQ	OSPE	SC & LC
Module 6 physiology of pregnancy and antenatal care	Explain Physiological changes in pregnancy	••	••			••	••	••	
	Describe components of Antenatal care	••	••			••	••	••	
	Outline Prenatal diagnosis	••	••	••		••	••	••	••
	Describe Placental abruption	••	••	••		••	••	••	••
	Explain APH/placenta previa	••	••	••		••	••	••	••
	Describe management of Twin pregnancy	••	••	••		••	••	••	••
	Describe FGR and amniotic fluid disorders	••	••	••	••	••	••	••	
	Discuss Intrauterine death	••	••	••		••	••	••	••
Module 7 Fetal medicine	Describe management for small for gestational age	••	••	••		••	••	••	••
	Explain Physiology of amniotic fluid	••				••	••	•	
	Describe management of oligohydramnios	••	••	••		••	••	••	••
	Explain management of oligohydramnios	••	••	••		••	••	••	••
	Outline Rhesus Isoimmunization	••	••	••		••	••	••	••
Module 8 assessment of fetal wellbeing, normal labor and abnormal labor	Describe mechanism of Normal labor	••	••	••		••	••	••	••
	Discuss Analgesia in labor	••	••	••		••	••	••	
	Outline management of Pre term labor / PROM	••	••	••		••	••	••	••
	Describe Complications of normal labor	••	••	••		••	••	••	••
	Explain Malpresentation / malabsorption	••	••	••		••	••	••	••
	Outline management of PPH	••	••	••		••	••	••	
	Describe uterine inversion and maternal collapse	••	••	••		••	••	••	
	Discuss problems of puerperium	••	••	••		••	••	••	••
Explain Operative vaginal delivery	••	••	••		••	••	••	••	
Module 9 Medical disorders of pregnancy	Explain Hypertension / PIH	••	••	••		••	••	••	
	Discuss gestational diabetes	••	••	••		••	••	••	
	Outline management of venous thromboembolism	••	••	••		••	••	••	••
	Describe Cardiac diseases in pregnancy	••	••	••		••	••	••	
	Explain management of Anemia in pregnancy	••	••	••		••	••	••	
	Discuss Rhesus isoimmunization	••	••	••		••	••	••	
	Explain Other medical disorders thyroid diseases	••	••	••		••	••	••	
	Discuss cholestasis/epilepsy in pregnancy	••	••	••		••	••	••	
Explain management of perinatal infections	••	••	••		••	••	••		



# WEEKLY TIME TABLE FINAL YEAR MBBS 2022

## INDEPENDENT MEDICAL COLLEGE

Time	Lecture 08:00-08:45	Clinical Training 08:45-12:00	Clinical Skills 12:00-01:00	Lecture 01:15-02:00	Evening Duty 05:00-08:00
Mon	Surgery	Ward		Medicine	Clinical Training
Tue	Medicine	Ward	A1 & A2-Batch	Surgery	Clinical Training
Wed	Gynae & Obs.	Ward	B1 & B2-Batch	Pediatrics	Clinical Training
Thu	Pediatrics	Ward	C1 & C1-Batch	Medical Specialities	Clinical Training
Fri	Gynae & Obs.	08:45-11:15	11:15-12:00		
		Ward	Surgical Specialities		
Sat	08:00-09:00	09:00-10:00		SDL	
	Medicine	Surgery			

N  
A  
M  
A  
Z  
B  
R  
F  
A  
K