



NISHTAR MEDICAL UNIVERSITY MULTAN

CURRICULUM OF GYNAECOLOGY & OBSTETRICS

MBBS PROGRAM

Academic Session 2026

Prepared By Department of Gynae & Obs.
Nishtar Medical University, Multan

SECTION I: PREAMBLE

Message from the Vice Chancellor



It gives me immense pleasure to welcome you to Nishtar Medical University. Nishtar Medical University is a premier, historical, and prestigious institution established in 1951-52. It holds a unique position among public sector universities as the first and currently the only medical university in South Punjab. It serves as an interface between healthcare provision and medical education. Its allied hospitals meet the healthcare needs of South Punjab and adjoining areas of Sindh, Baluchistan, and Khyber Pakhtunkhwa.

My aim is to develop Nishtar Medical University as a state-of-the-art medical university capable of nurturing undergraduate and postgraduate students through quality teaching and training. The university should promote research culture, ethical orientation, professionalism, leadership, and lifelong learning. The faculty of Nishtar Medical University remains committed to high standards of teaching, training, research, and service delivery.

Prof. Dr. Mehnaz Khakwani
Vice Chancellor, Nishtar Medical University

Message from the Principal NMC



Medical education is changing globally, and Nishtar Medical College is committed to academic excellence and student-centered learning in line with WFME and PM&DC expectations. The integrated modular curriculum reflects our commitment to producing graduates who are scientifically sound, clinically competent, critical thinkers, and empathetic professionals.

This prestigious institution aims to provide a learning environment that connects foundational science with early clinical exposure. This approach helps students translate theoretical knowledge into patient care from the early years of training.

Prof. Dr. Rashad Qamar Rao
Principal, Nishtar Medical College

Message from Dean Basic Medical Sciences

On behalf of the Faculty of Basic Medical Sciences, Nishtar Medical University, Multan, I am pleased to acknowledge the dedicated efforts of the faculty members and subject experts who have contributed to the revision of the curriculum for the 1st Year MBBS program. The revised curriculum has been prepared after careful deliberation in the meetings of the Board of Studies of all the department, incorporating the latest developments in medical education, national health priorities, and the evolving needs of pediatric care.

I extend my sincere gratitude to all members of the Board of Studies for their valuable input, constructive suggestions, and commitment to ensuring that this curriculum meets the highest standards of academic excellence and clinical relevance. Their collaborative spirit and professional dedication have been instrumental in finalizing this document.

This revised curriculum is presented with the expectation that it will serve as a comprehensive guide for students, equipping our graduates with the knowledge, skills, and professional values required to address the healthcare needs of children and contribute positively to the medical profession.

Prof. Dr. Asghar Javaid
Dean of Basic Medical Sciences

University Vision Statement

We envision healthy mankind enlightened by the most accomplished medical professionals.

Department Mission Statement

Dedicated to ethical, patient-centered care, excellence in medical education, and innovation through technology.
Train future specialists with integrity, advanced research, and state-of-the-art solutions to improve women's health and reproductive care.

Program Mission Statement

To equip undergraduates with comprehensive knowledge, clinical skills, and ethical competencies in gynecology and obstetrics, enabling them to provide high-quality, evidence-based care to women across all stages of life, particularly in resource-limited and community healthcare settings.

TARGET PUBLIC AND SCOPE

Public:

This curriculum is designed for undergraduate medical students admitted to NMU Multan, the faculty of the Department of obstetrics and gynecology, internal/external examiners, the health regulatory bodies of Pakistan (PM&DC, UHS) and the society.

Scope:

Encompasses the entire 5-year continuum of undergraduate medical education, tracking progress from early introduction to surgical concepts (Years 1–2) through systemic and specialized clinical rotations (Years 3–5) primarily delivered at Nishtar Hospital, Multan.

EDUCATIONAL FOUNDATIONS, THEORIES, AND MODELS

The NMU Surgery Curriculum rejects passive learning and is anchored upon verified educational frameworks:

- **SPICES Model:**

Student-centered, Problem-based, Integrated, Community oriented, Elective-driven, and Systematic.

- **Miller's Pyramid of Clinical Competence:**

Framework guiding the progression of learning and testing from Knows (lectures) ----- Knows How (case discussions) ----- Shows How (OSCE/simulation) ----- Does (Workplace-Based Assessment/Logbooks during clinical rotations).

- **Constructivism Theory:**

Leveraging prior basic science knowledge (Anatomy, Pathology) to construct new clinical and operational mental schemas in obstetrics and gynecology.

4TH YEAR MBBS

Total 14 lectures in one year

	Schedule Duration	Schedule Duration Total
Interactive LGIS	Obstetrics & Gynae 1. lecture (1 hour) Total = 14 (lectures)	14 hours
Total Hours	14 hours	14 hours

Topics to be covered in LGIS

- 1. Obstetrical &Gynae history & Obstetrical Examination**
- 2. Normal labor**
- 3. Obstetrical &Gynae history & Obstetrical Examination**
- 4. Normal menstruation, Abnormal menstruation**
- 5. Antepartum hemorrhage**
- 6. Postpartum hemorrhage**
- 7. Miscarriages/ ectopic pregnancuy**
- 8. Molar Pregnancy**
- 9. Preterm labour**
- 10. HTN in Pregnancy**
- 11. Malpresentation including breech**
- 12. Diabetes in Pregnancy**
- 13. Multiple pregnancy**
- 14. Anemia in pregnancy**

FINAL YEAR CLINICAL MODULE

Clinical module of OB/GYN & Paediatrics, 2026, Final year MBBS has been designed to create a great learning experience both for students and faculty. A variety of teaching strategies will be used to make it more student centred, interactive and intellectually challenging module. It will provide opportunity to teach and train in Gynaecology and also revisit some important aspects of Obstetrics.

Our module consists of 12 weeks. During this time students will have 8 weeks clinical clerkship in OB/GYN units and 4 weeks in Paediatrics units. Each Student during the Clerkship rotates to three Gynae Units. At each Gynae Unit he/she stays for approximately 19 days.

During each week, on Friday & Saturday, the students will go to lecture theatre from 8:00am to 9:00am for lectures, LGIS. Following is the further detail of module

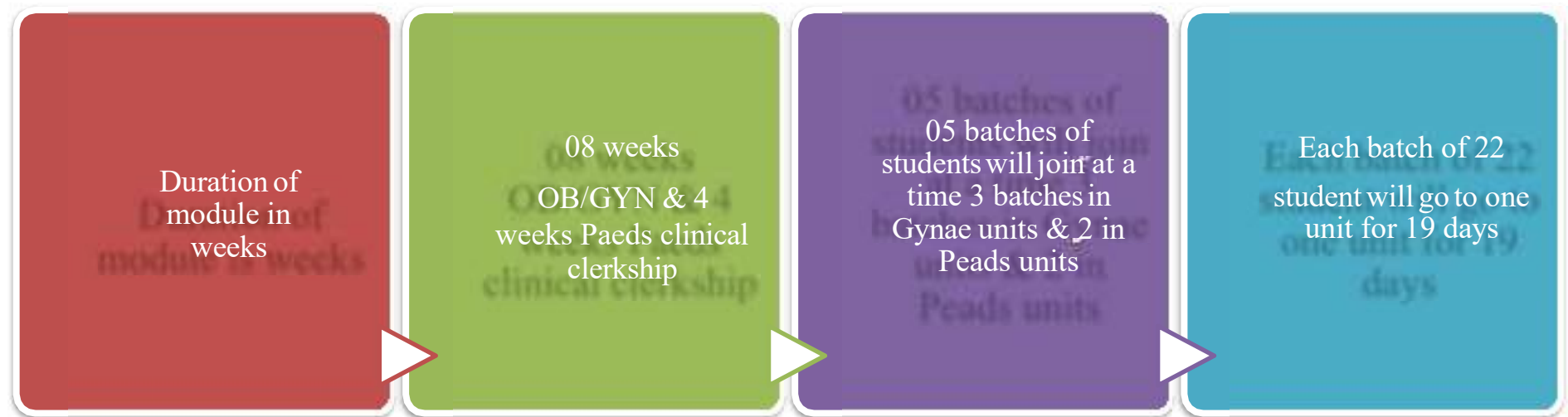
Clinical Clerkship Schedule – Final Year Students Nishtar Hospital, Multan

- On Monday, Tuesday, Wednesday and Thursday, students will attend clinical wards for clinical clerkship in their respective units from 08:00 am to 02:00 pm.
- On Friday & Saturday, students will attend the wards from 09:00 am to 12:00 pm & 10:30am to 02:00pm respectively. During clinical hours, students will join the house officers and postgraduate trainees at their respective morning stations and closely follow the routine ward activities under supervision.
- Each Wednesday, a hands-on clinical workshop will be conducted. There will be a total of 8 workshops.

- On every Monday, the senior person in charge of students will introduce them to the postgraduate trainees and senior registrars of the respective stations. Pairing and allocation will be refreshed as students rotate through different morning stations.
- From 08:00 am to 12:00 pm, students will remain on the clinical floor in their allotted wards to:
- Participate in morning rounds Carry out orders given during rounds under direct supervision of PGTs and house officers
- Take patient history
- Perform clinical examination
- Plan required investigations
- Formulate differential diagnosis and provisional diagnosis
- Discuss cases with PGTs and senior registrars
- A bedside teaching session by the consultant will be conducted from 09:00 am to 10:00 am, during which students will present allotted case histories. Case allocation and presentation schedule will be provided at the start of the rotation.
- At the end of each station, a proforma containing written morning station targets (as mentioned in the logbook) will be completed by each student. This must be signed and stamped by the senior registrar of the respective station.
- This record will form part of the continuous internal assessment and will carry weightage in the final assessment.
- On designated OT Day and OPD Day, students will proceed to the Operation Theatre and Outpatient Department after completing their clinical clerkship activities and topic presentation for the day.
- On the designated Emergency Day, students will perform evening duty in the Labour Room. They will complete all tasks mentioned in the logbook. At the end of each station, a proforma as mentioned in the logbook will be completed by each student and signed and stamped by the senior registrar of the respective

station.

This module is offered three times annually. Obstetrics and Gynecology lectures are scheduled from 8:00 AM to 9:00 AM on Fridays and from 9:00 AM to 10:00 AM on Saturdays. Paediatrics lectures are scheduled from 8.00 AM to 9.00 AM on Saturdays.



Each Week

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graph TD; A[Each Week] --- B[Friday and Saturday  
All batches from 8AM to 9 AM in lecture complex for LGIS on Friday and 09.00 AM to 10.00 AM on Saturday]; A --- C[From Monday to Thursday  
Friday on 09:00am to 12:00pm & Saturday on 10:30am to 02:00pm daily clinical clerkship];
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Friday and Saturday
All batches from 8AM to 9 AM in lecture complex for LGIS on Friday and 09.00 AM to 10.00 AM on Saturday

From Monday to Thursday

Friday on 09:00am to 12:00pm & Saturday on 10:30am to 02:00pm daily clinical clerkship

OBSTETRICS AND GYNAECOLOGY CLINICAL ROTATIONS HOURS

	Schedule Duration Monthly	Schedule Duration Total 2 months module
Interactive LGIS	Obstetrics & Gynae 2 lecture (02 hours) per week 08 hours per month	24 hours (lecture will be for three months)
CPC	1 hour per month	2 hours
Clinical Clerkship in Wards/OPD	08:00am-2pm, 4 days a week= 96 hours P/M Friday= 12 hours P/M 09.00am- 12pm Saturday= 14 hours P/M 10.30am- 2pm	192 hours per 2 Months Friday=24 hours Saturday= 28 hours
Shadowing Resident in Emergency/Ward- Evening hours	04 hours, 2 times a week= 32 hours	64 hours
	163	334 hours (lecture for three months)

STRUCTURED TRAINING



OBS/GYNAE Clerkship

- 334 hour / 2 months



LGIS

- 24 hours / 3 months

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Section-I

Interactive

LGIS Outline

LECTURES OF OBSTETRIC UNIT-I

Sr#	Day	Teacher	Specialty	Theme Maternal Medicine	Specific Learning Objectives (SLO)	MO T/ MIT	Level of Cognition			Affective	MOA
							C1	C2	C3		
1.			Obstetrics	Pregnancy with anemia Pregnancy with Thalassemia	- Define anemia in pregnancy - What are the causes of anemia - What are the types of anemia - Discuss the maternal and fetal complication of anemia - Discuss the management	LGI S/ PP T			✓	A3	MCQs/ SAQs
2.			Obstetrics	Hypertensive disorder of pregnancy e.g. Essential hypertension PET-Eclampsia	- Describe the Classification of Hypertension in Pregnancy. - Explain the Fetal and maternal risk associated with Hypertension in Pregnancy. - Describe the Clinical presentation and Management of hypertension pregnancy. - Describe the Clinical presentation of pre-eclampsia and Eclampsia and its Management.	LGI S/ PP T			✓	A3	MCQs/ SAQs

3.			Gynae	Primary Amenorrhea	- Define primary amenorrhea - Enumerate its causes - Discuss the management	LGI S/ PPT			✓	A3	MCQs/ SAQs
4.			Obstetrics	Diabetes in pregnancy	- Discuss the definition. - Describe types of diabetes. - Describe various components of history and examination. - Describe the pre conceptional and post conceptional counseling and effects of diabetes on pregnant female and on fetus. - Enumerate screening and diagnostic test. - Describe principle of management. - Order appropriate investigations and discuss antenatal intra partum and postpartum management. - Provide dietary advice. - Discuss complications.	LGI S/ PP T			✓	A3	MCQs/ SAQs
5.			Theme: Gynaecological Oncology	Pre malignant Diseases of Cervix CA cervix	- Important Gynecological cancers - Screening tools - Describe Incidence of - Cervical cancer - Enumerate causes - FIGO staging - Describe principal of management	LGI S/ PP T			✓	A3	MCQs/ SAQs

6.			Theme: Gynaecological Oncology	CA endometrium	• Enlist all malignancies of uterus. • Identify women with risk of endometrial cancer. • Describe clinical sign and symptoms related to endometrial cancer and various method of investigations as a case of post-menopausal bleeding. Understand the FIGO of endometrial cancer.	LGI S/ PP T			✓	A3	MCQ s/ SAQ s
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Sr#	Day	Teacher	Specialty	Theme	Specific Learning Objectives (SLO)	MO T/ MI T	Level of Cogniti on			Affectiv e	MOA
							C1	C2	C3		
7.			Theme: Gynaecological Oncology	Benign disease s and CA ovary of fallopia n tubes	- Describe types of benign ovarian cyst. - Discuss their symptoms, diagnosis and treatment. - Know the classification ,incidence, etiology and risk factors of malignant tumors of ovary - Understand their clinical presentation - Understand their workup plan and FIGO staging - Outline management plan - Outline follow up plan	LGI S/ PP T			✓	A 3	MCQ s/ SAQ s

LECTURES OF OBSTETRIC UNIT-II

Sr#	Day	Teacher	Specialty	Theme Early Pregnancy & its complications Topic	Specific Learning Objectives (SLO)	MO T/ MI T	Level of Cognition			Affective	MO A
							C1	C2	C3		
1.			Gynae	Ectopic Pregnancy	- Understanding of definition epidemiology, etiology and clinical feature of ectopic pregnancy. - Enumerate causes - Describe its Management	LGI S/ PP T			✓	A3	MCQs/ SAQs
2.			Gynae	Trophoblastic tumors	- Define gestational Trophoblastic disease - Describe epidemiology and various forms of GTD. - Enlist relevant investigation. - Enumerate complications of molar pregnancy. - Describe the medical and surgical management of hydatiform mole and their associated risk. - Explain follow up and prognosis of disease. - Describe S/S and investigation for malignant and persistent form of Gestational Trophoblastic disease. Describe treatment of choriocarcinoma and persistent Trophoblastic disease.	LGI S/ PP T			✓	A3	MCQs/ SAQs

3.			Theme Uro-Gynae	Genital Prolapse	- Understand the anatomy of supporting ligaments and fascia of the female pelvic organs. - Define and classify utero-vaginal Prolapse. - Describe the etiology of utero-vaginal Prolapse. - Enumerate clinical feature and D/D of utero- vaginal Prolapse. - Describe the principle and treatment modalities for Prolapse.	LGI S/ PP T			✓	A3	MCQ s/ SAQ s
4.			Theme Early Pregnancy & its complications	- Early Pregnancy Loss and its managemen. - Recurrent miscarriages	- Describe different types of early pregnancy loss and their etiologies & signs and symptoms. Discuss treatment options and complications and counseling. - Discuss different causes of miscarriage Discuss treatment options and complications and counseling	LGI S/ PP T			✓	A3	MCQ s/ SAQ s
5.			Theme: Menstrual abnormalities	Menstrual abnormalities and PMS	- Diagnosis of premenstrual syndrome - Describe management principles - Counseling of patient - Describe different abnormalities of menstruation - Discuss its signs and symptoms - Discuss its causes and risk factors Diagnosis and stepwise management	LGI S/ PP T			✓	A3	MCQ s/ SAQ s

					principles.						
6.			Theme: Subfertility	Endometriosis	• Discuss the definition • Enumerate causes • Request appropriate investigations & describe principle of management. • Education and counseling the patient.	LGIS/ PP T			✓	A3	MCQ s/ SAQ s
7.			Theme: Fetal Medicine	RH incompatibility	• Describe the clinical significance of Rh incompatibility. • Describe the pathophysiology of Rh incompatibility and Alloimmunization • Identify indication of Rh • immunoglobulin treatment.	LGIS/ PP T			✓	A3	MCQ s/ SAQ s

LECTURES OF OBSTETRIC UNIT-III

Sr#	Day	Teacher	Specialty	Topic	Specific Learning Objectives (SLO)	MO T/ MI T	Level of Cognition			Affective	MOA
							C1	C2	C3		
1.			Theme: Bleeding in Late Pregnancy	- Antepartum Hemorrhage (Placenta previa) - Placental abruption.	- Define the APH. - Enumerate the different causes of APH. - Differentiate clinically between placenta previa and placental abruption - Explain the management of placenta previa. - Elaborate the emergency approach towards the massive hemorrhage. - Explain the management of placental abruption.	LGI S/ PP T			✓	A3	MCQs/ SAQs
2.			Theme: Post-Partum & Puerperal Complications	Post-partum hemorrhage	- Define the PPH. - Enumerate the cause of PPH. - Describe the management of PPH	LGI S/ PP T			✓	A3	MCQs/ SAQs

3.			Theme: Maternal Medicine	Multiple Pregnancies	• Define the multiple pregnancies. • Describe the classification of multiple pregnancies along with incidences. • Enlist risk factor for multiple pregnancies. • Describe the increased complication that occurs in multiple pregnancies. • Describe the Antenatal care of women with multiple pregnancies. • Describe the complication unique to monochromic twin pregnancy. • Describe the intrapartum management of multiple pregnancies.	LGI S/ PP T			✓	A3	MCQ s/ SAQ s
4.			Theme: Subfertility	Female subfertility	• Define Subfertility. • Enumerate causes of female subfertility • Describe the concept of ovarian reserve. • Describe history, examination and investigation relevant to Subfertility. • Explain the process and procedure involved in assisted reproductive technique there, outcome and success rate of ART. • Justify the investigation for the diagnosis of female subfertility.	LGI S/ PP T			✓	A 3	MCQ s/ SAQ s

					Formulate a management plan.						
5.			Theme: Contraception	Contraception	- Describe the mechanism of action of current contraceptive methods. - Discuss the factors that affect the contraceptive effectiveness. - Describe the non-contraceptive benefits of methods.	LGI S/ PPT			✓	A3	MCQ s/ SAQ s
6.			Theme: Abnormal Uterine Bleeding	Uterine fibroids	- Discuss the clinical features of the conditions. - Describe the classification of fibroid Describe clinical features of fibroid, its	LGI S/ PPT			✓	A3	MCQ s/ SAQ s
7.			Theme: Fetal Medicine	Intrauterine Growth Retardation and Its management	- Discuss different types of IUGR & its causes. - Discuss maternal and fetal problems related to IUGR.	LGI S/ PPT			✓	A3	MCQ s/ SAQ s

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Section-II
Clinical
Rotation
Outline

CLINICAL ROTATION OUTLINE GYNAE UNIT-I

Medical Disorder in Pregnancy Module					Teaching Venue	Cognition			Psycho motor	Attitude		MOA
S. No	Specialty	Theme: Maternal Medicine	Specific learning object (SLO)	Ward classroom, Bed Side, OPD	C1	C2	C3	P1	P2	A1	A2	
1	Obstetrics	Hypertensive disorders(except eclampsia) and IUGR	- To understand the classification of hypertension in pregnancy - To understand the pathophysiology of pre- eclampsia - To explain the principles of management of pre- eclampsia - To understand the long-term risks to both mother and baby from pre-eclampsia - Discuss the etiology and pathophysiology of IUGR - Outline the management plan - Elaborate the prognosis of fetus in IUGR - Discuss the antenatal surveillance of the FGR fetus	Ward classroom, Bed Side, OPD			✓		✓		✓	OSPE/ Long Case/S AQ/ MCQ
2	Obstetrics	Liver disorders in pregnancy	- Describes the most common liver disorder presented in pregnancy - Know the risks associated with these disorders - Outline management plan		Ward classroom, Bed Side, OPD			✓		✓		✓

3	Obstetrics	Diabetes in pregnancy	- Define gestational diabetes mellitus - Explain the effects of sugar level on fetal development - Describe maternal and fetal complication (antepartum, intrapartum and postpartum) - Explain the management protocol of gestational diabetes mellitus - Describe the long-term effect of gestational diabetes mellitus on maternal health	Ward class room bed side OPD			✓		✓		✓	OSP E/L ong Case/ SA Q/M CQ
4	Obstetrics	Anemia in pregnancy	- Define anemia in pregnancy - Discuss the importance of anemia screening in antenatal period - Discuss iron deficiency anemia, its causes, complications and management - Elaborate the management of thalassemia, anemia Of chronic illness, coagulation disorder management	Ward class room bed side OPD			✓		✓		✓	OSP E/ Lo ng Ca se/ SAQ/ M CQ
5	Obstetrics	VTE in pregnancy	- Recognize the risk factor in presentation of VTE. - Plan management of VTE pregnancy.	Ward class room bed side OPD			✓		✓		✓	OSP E/ SA Q/ MC Q

6	Obstetrics	Hyperemesis Gravidarum	- Define Hyperemesis Gravidarum. - Enumerate maternal and fetal complications. - Describe the management of Hyperemesis Gravidarum.	Ward class room bed side OPD			✓		✓		✓	OSP E/ Long Case/ SA Q/ MC Q
7	Obstetrics	Neurological Disorders. Epilepsy in pregnancy	- Define Epilepsy. - Enumerate Different types of epilepsy. - Describe the maternal and fetal complications. - Describe the management of epilepsy and status epilepticus. - Describe the post-partum management.	Ward classroom, Bed Side, OPD			✓		✓		✓	OSP E/ SA Q/ MC Q
8	Obstetrics	Pregnancy With Thyroid Diseases	- What is the different thyroid disease in pregnancy - Enumerate the complication of pregnancy with thyroid disease - What is the fetal complication - Discuss the management	Ward classroom, Bed Side, OPD			✓		✓		✓	OSP E/ SA Q/ MC Q
9	Obstetrics	Pregnancy with heart diseases	- Describe physiological adaptation in pregnancy - Describe different types of heart disease in pregnancy. - Describe effects of heart diseases on mother and fetus.	Ward classroom, Bed Side, OPD			✓		✓		✓	OSP E/ Long

			Describe antenatal intrapartum and postpartum management counsel.										Case/ SA Q/ M CQ
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Gynae Oncology Module					Cognition			Psychomotor		Attitude		MOA
S. No	Specialty	Gynaecological Oncology	Specific learning object (SLO)	Teaching Venue	C1	C2	C3	P1	P2	A1	A2	
1	Gynae	Benign diseases of Ovary	• Understand the classification and types of benign ovarian diseases, including cysts, tumors, and functional disorders. • Identify the clinical presentations and diagnostic approaches for benign ovarian conditions. • Learn the pathophysiology and risk factors associated with benign ovarian diseases. • Explore the management options, including conservative treatments and surgical interventions.	Ward class room bed side OPD			✓		✓		✓	OS PE / Lo ng Ca se/ SA Q/ M CQ
2	Gynae	Malignant diseases of ovary	• Know the classification ,incidence, etiology and risk factors of malignant tumors of ovary • Understand their clinical presentation • Understand their workup plan and FIGO staging • Outline management plan • Outline follow up plan	Ward class room bed side OPD			✓		✓		✓	OS PE / Lo ng Ca se/ SA Q/ M CQ
3	Gynae	Pre malignant	• Understand the types and classifications of pre-malignant cervical conditions, such as dysplasia and CIN • Identify the risk factors and causes contributing to the development of pre-malignant cervical diseases.	Ward class room bed			✓		✓		✓	OS PE / Lo

		Diseases of Cervix	- Learn the diagnostic methods, including Pap smears and HPV testing, for detecting pre-malignant changes. - Explore the treatment options for managing pre-malignant cervical lesions, including surveillance and surgical procedures.	side OPD								ng Case/SAQ/MCQ
4	Gynae	CA cervix	- Understand the causes and risk factors of cervical cancer, including HPV. - Identify the clinical signs and symptoms of cervical cancer. - Learn the diagnostic methods like Pap smears and biopsy. - Explore treatment options, including surgery, radiation, and chemotherapy. - Familiarize with the FIGO staging system for cervical cancer (Stage I-IV).	Ward classroom, Bed Side, OPD			✓		✓		✓	OSPE / Long Case/SAQ/MCQ
5	Gynae	Bening Diseases of Uterus CA endometrium	- Understand etiology and risk factors of endometrial cancers - Describe classification of uterine malignancy - Describe the pattern of spread of disease - Elicit relevant points on history and examination - Enlist and justify investigations needed for diagnosis of endometrial cancer - Understand FIGO Staging of Endometrial Cancer - Suggest a management plan according to stage of disease	Ward classroom, Bed Side, OPD			✓		✓		✓	OSPE / Long Case/SAQ

[illegible]

Gynae Module					Cognition			Psychomotor		Attitude		MOA
S. No	Specialty	Theme: Abnormal Uterine Bleeding Topic	Specific learning object (SLO)	Teaching Venue	C1	C2	C3	P1	P2	A1	A2	
1	Gynae	Ovulation and its clinical importance, Normal menstruation.	- Define ovulation and its hormonal control. - Describe phases of the normal menstrual cycle. - Explain clinical importance of ovulation in fertility and contraception. - Identify features of normal menstruation (duration, cycle length, blood loss).	Ward class room bed side OPD			✓		✓		✓	OSPE / SAQ/MCQ
2	Gynae	Primary Amenorrhoea	- Define primary amenorrhoea - Enumerate its causes - Discuss the management	Ward class room bed side OPD			✓		✓		✓	OSPE/ Long Case/ SAQ/MCQ

[illegible]

Self-learning Topic:

Respiratory Disorders	• Describe physiological adaptation in pregnancy • Describe different types of respiratory disease in pregnancy. • Describe effects of respiratory diseases mother and fetus. • Describe antenatal intrapartum and postpartum management. • Counsel.
Anatomy of female Genital organs Development of female genital organs, Puberty and adolescence.	• Identify the female genital organs (internal and external). • Describe the basic anatomy of uterus, ovaries, tubes, vagina, and vulva. • Explain the development of female genital organs from embryonic life. • Describe the changes of puberty and adolescence in females.

CLINICAL ROTATION OUTLINE GYNAE UNIT-II

Labour Module					Cognition			Psychomotor		Attitude		MOA
S. No	Specialty	Theme: Labour Topic	Specific learning object (SLO)	Teaching Venue	C1	C2	C3	P1	P2	A1	A2	
1	Obstetrics	Normal Labour	- Discuss the definition - Identify clinical stages of labour - Discuss the mechanics - Discuss the management of normal labour - Distinguish between Normal and abnormal labour	Ward class room bed side OPD			✓		✓		✓	OSPE/ SAQ/ MCQ
2	Obstetrics	Abnormal labour	- Write down the different types of abnormal labour - Define the prolonged labour - What are its causes - Discuss the management - Define the obstructed labour - What are the causes - Discuss the management	Ward class room bed side OPD			✓		✓		✓	OSPE/ SAQ/ MCQ
3	Obstetrics	Induction of Labour	- Define the induction of labour - Discuss the different methods of induction of labour	Ward class room bed side OPD			✓		✓		✓	OSPE/ SAQ/ MCQ

4	Obstetrics	Pret erm Labo ur	- Define pre-term labour - What are the causes - Discuss the management	Ward classroom, Family Planning Clinic			✓		✓		✓	OSP E/ Lo ng Ca se/ SA Q/ M CQ
5	Obstetrics	Post matu rity	- Define the post maturity - Enumerate its causes - Discuss the management	Ward classroom, Bed Side, OPD			✓		✓		✓	OSP E/ SA Q/ M CQ
6	Obstetrics	Fetal distress and its manage ment, Fetal Monitori ng during labour	- Define fetal distress - Enumerate its causes - Discuss the management - Discuss the different methods of fetal monitoring during labour	Ward classroom, Bed Side, OPD			✓		✓		✓	OSP E/ Lo ng Ca se/ SA Q/ M CQ

7	Obstetrics	Breech Presentation, Malpresentation & Malposition	• Define breech presentation • Its etiology and types • Describe different management options. • Discuss its complications • Define types of Malpresentation and malposition. • Discuss its Etiology • describe its management options • Discuss its complications	Ward classroom, Bed Side, OPD			✓		✓		✓	OSP E/ Lo ng Ca se/ SA Q/ M CQ
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Gynae Module					Cognition			Psychomotor		Attitude		MOA
S. No	Specialty	Theme: Abnormal Uterine Bleeding Topic	Specific learning object (SLO)	Teaching Venue	C1	C2	C3	P1	P2	A1	A2	
1	Gynae	Menopause, Hormone replacement therapy	- Define menopause - Describe the clinical features - Discuss the different hormone therapies	Ward classroom, Family Planning Clinic			✓		✓		✓	OSPE / SAQ/MCQ
2	Gynae	Menstrual abnormalities and PMS	- Diagnosis of premenstrual syndrome - Describe management principles - Counseling of patient - Describe different abnormalities of menstruation - Discuss its signs and symptoms - Discuss its causes and risk factors - Diagnosis and stepwise management principles.	Ward classroom, Bed Side, OPD			✓		✓		✓	OSPE / SAQ/MCQ

3	Gynae	Endometrio sis	• Discuss the definition • Enumerate causes • Request appropriate investigations & describe principle of management. • Education and counseling the patient.	Ward classroom, Bed Side, OPD			✓		✓		✓	OS PE / SA Q/ M CQ
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Early Pregnancy Complication & Urogynaecology Module					Cognition			Psychomotor		Attitude		MOA
S. No	Specialty	Theme: Early Pregnancy Urogynaecology Topic	Specific learning object (SLO)	Teaching Venue	C1	C2	C3	P1	P2	A1	A2	
1	Gynae	Ectopic Pregnancy	- Understanding of definition epidemiology, etiology and clinical feature of ectopic pregnancy. - Enumerate causes - Describe its Management	Ward class room bed side OPD			✓		✓		✓	OSP E/ Long Case/ SAQ/ MCQ
2	Gynae	Trophoblastic tumors	- Define gestational Trophoblastic disease - Describe epidemiology and various forms of GTD. - Enlist relevant investigation. - Enumerate complications of molar pregnancy. - Describe the medical and surgical management of hydatiform mole and	Ward class room bed side OPD			✓		✓		✓	OSP E/ Long Case/ SA

			their associated risk. • Explain follow up and prognosis of disease. • Describe S/S and investigation for malignant and persistent form of Gestational Trophoblastic disease. • Describe treatment of choriocarcinoma and persistent Trophoblastic disease.									Q/ M CQ
3	Gynae	Early Pregnancy Loss and its management. Recurrent miscarriages	• Describe different types of early pregnancy loss and their etiologies & signs and symptoms. • Discuss treatment options and complications and counseling. • Discuss different causes of miscarriage • Discuss treatment options and complications and counseling	Ward class room bed side OPD			✓		✓		✓	OSP E/ Lo ng Ca se/ SAQ / M C Q

4	Gyna e	Genit al Prola pse	• Understand the anatomy of supporting ligaments and fascia of the female pelvic organs. • Define and classify utero- vaginal Prolapse. • Describe the etiology of utero- vaginal Prolapse. • Enumerate clinical feature and D/D of utero-vaginal Prolapse. • Describe the principle and treatment modalities for Prolapse.	Ward classroom, Family Planning Clinic			✓		✓		✓	OSP E/ Lo ng Ca se/ SA Q / M C Q
5	Gynae	Pre- operative preparati ons. Post- operative complicati ons and its managem ent	• Outline the purpose of careful pre- assessment and post- operative case. • Justify the pre-operative investigation & preparation. Illustrate the common post- operative complications and their management.	Ward classroom, Bed Side, OPD			✓		✓		✓	OSP E/ SA Q/ M CQ
6	Gynae		Students will be able to • Explain the micturition physiology • Describe the epidemiology of pelvic floor dysfunction. • Apply the functional anatomy of female urinary	Ward classroom, Bed Side, OPD			✓		✓		✓	OS PE/ SA Q / M C

CLINICAL ROTATION OUTLINE GYNAE UNIT-III

Antenatal Module					Cognition			Psychomotor		Attitude		MOA
S. No	Specialty	Theme: Antenatal Module & Fetal Medicine Topic	Specific learning object (SLO)	Teaching Venue	C1	C2	C3	P1	P2	A1	A2	
1		Antenatal Care	At the end of one hour lecture, students will be able to: • Enlist the aims of antenatal care. • Define the booking visit. • Elicit the booking history and examination. • Discuss the importance of booking investigations • Elaborate the recommended schedule of antenatal visits.	Ward class room bed side OPD			✓		✓		✓	OSP E/ Lo ng Ca se/ SA Q/ M CQ

2	Obstetrics	Ob s hist ory ,exam inati on	• Categorize the obstetric patient into high risk and low risk group. • Define EDD and its calculation. • Define term, preterm, post term, post- dates, LBW, VLBW, lie, presentation, position, attitude and engagement of fetus. To describe the principle of taking and obstetric history • To define neagles rule to calculate EDD • To explain the importance of past obstetrics, Gynaecology medical and surgical history. • To understand components of obstetrical examination				✓		✓		✓	OSP E/ Lo ng Ca se/ SA Q/ M CQ
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3	Obstetrics	Assessment of fetal wellbeing	- Describe the importance of fetal monitoring during Antenatal period and labour. - Enlist different methods of fetal assessment. - Identify the 04 basic FHR parameters to be interpreted on CTG trace. - Differentiate between normal and pathological CTG patterns. - Discuss conditions in which continuous electronic FHR monitoring is required - Explain the importance of booking scan, anomaly scan and growth scan and BPP Describe the role of umbilical artery Doppler	Ward class room bed side OPD			✓		✓		✓	OS PE/ SAQ/ MCQ
4	Obstetrics	Multiple pregnancy	- Define multiple pregnancy and its Incidence - Interpret the ultrasound findings for multiple pregnancy - Discuss the antenatal care and risks associated with multiple pregnancy - Identify various patterns of fetus in a twin pregnancy	Ward class room bed side OPD			✓		✓		✓	OSP E/ SAQ/ MCQ

			Describe the mechanism of delivery of twins.									
5	Obstetrics	Prenatal diagnosis	- Define prenatal diagnoses. - Enlists the prenatal diagnostic tests, their risk and benefits. - Discuss the non-invasive methods of prenatal diagnosis	Ward classroom, Family Planning Clinic			✓		✓		✓	OSP E/ SA Q/ M CQ
6	Obstetrics	Prenatal Infection	- Define prenatal infections and describe their routes of transmission. - Identify common prenatal infections (TORCH and others) and their maternal and fetal effects. - Describe clinical features, diagnosis, and screening of prenatal infections. - Outline principles of prevention, treatment, and counseling in prenatal infections	Ward classroom, Bed Side, OPD			✓		✓		✓	OSP E/ SA Q/ M CQ

Self-learning Topic:

(i) Conception, Implantation and development of placenta, fetal circulation, abnormalities of placenta (ii) Physiological changes associated with pregnancy	(i) Conception, Implantation, Placenta & Fetal Circulation • Describe the process of conception and implantation. • Explain the development, structure, and functions of the placenta. • Describe fetal circulation and physiological shunts. • Identify common placental abnormalities and their clinical significance. (ii) Physiological Changes in Pregnancy • Describe system-wise physiological changes occurring during pregnancy. • Explain cardiovascular, hematological, and respiratory adaptations. • Describe endocrine, renal, and gastrointestinal changes. Differentiate normal physiological changes from pathological conditions.
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Obstetrical Emergencies & Post-Partum Module					Cognition			Psychomotor		Altitude		MOA
S. No	Specialty	Theme: Obstetrical Emergencies & Post-Partum Module	Specific learning object (SLO)	Teaching Venue	C1	C2	C3	P1	P2	A1	A2	
1	Obstetrics	APH	- Define Antepartum Haemorrhage - Enlist causes of APH - Differentiate clinically between placenta previa and placental abruption - Elaborate the emergency approach towards massive Haemorrhage - Discuss management plan for placenta previa and placental abruption	Ward class room bed side OPD			✓		✓		✓	OSP E/ Long Case/ SA Q/ M CQ
2	Obstetrics	Obstetric emergencies (Maternal amniotic fluid embolism, umbilical cord prolapsed, uterine	- Understand the incidence, risk factors and early warning signs in common obstetric emergencies - Diagnose the obstetric emergencies - Make the management plan for these emergencies.	Ward class room bed side OPD			✓		✓		✓	OSP E/ Long Case/ SA Q/

		rupture, uterine in version, shoulder dystocia)										M CQ
3	Obstetrics	Post-partum hemorrhage	- Define the PPH. - Enumerate the cause of PPH. - Describe the management of PPH	Ward class room bed side OPD			✓		✓		✓	OSP E/ Lo ng Ca se/ SA Q/ M CQ
4	Obstetrics	Puerperium (normal and abnormal). Breastfeeding and its importance	- Define Puerperium. - Enumerate the complication encountered during Puerperium and its management. - Understand the physiology of breast feeding. - Describe the advantages of breast feeding.	Ward classroom, Family Plannin g Clinic			✓		✓		✓	OSP E/ Lo ng Ca se/ SA Q/ M CQ

			• Enumerate the drugs that can be used in breast feeding. • Explain the common disorders of breast feeding. • Recognize and manage common postpartum • psychiatric disorders									
5	Obstetrics	• Examination and resuscitation of newborn Minor problems of newborn	• Describe different steps of newborn care. • Describe problems related to newborn care.	Ward classroom, Bed Side, OPD			✓		✓		✓	OS PE/ SAQ/ MCQ

Sexual and Reproductive Medicine Module					Cognition			Psychomotor		Attitude		MOA
S. No	Specialty	Theme: Sexual and Reproductive Medicine Topic	Specific learning object (SLO)	Teaching Venue	C1	C2	C3	P1	P2	A1	A2	
1	Gynae	Female subfertility Male subfertility	- Define Subfertility. - Enumerate causes of female subfertility - Describe the concept of ovarian reserve. - Describe history, examination and investigation relevant to Subfertility. - Explain the process and procedure involved in assisted reproductive technique there, outcome and success rate of ART. - Justify the investigation for the diagnosis of female subfertility. - Formulate a management plan. - Describe history examination and investigation relevant to Subfertility. - Enumerate WHO semen parameters. - Describe the management according to different causes of male subfertility.	Ward class room bed side OPD			✓		✓		✓	OSP E/ Long Case/ SAQ/MCQ
2	Gynae	Contraception	- Describe the mechanism of action of current contraceptive methods. - Discuss the factors that affect the contraceptive effectiveness. - Describe the non-contraceptive benefits of	Ward class room bed side OPD			✓		✓		✓	OSP E/ Lo

			methods.									ng Ca se/ SA Q/ M CQ
3	Gynae	Uterine fibroids	- Discuss the clinical features of the conditions. - Describe the classification of fibroid Describe clinical features of fibroid, its diagnosis and its management.	Ward class room bed side OPD			✓		✓		✓	OSP E/ Lo ng Ca se/ SA Q/ M CQ
4	Gynae	Infections of upper genital tract	- Define the disease & discuss causative factors. - Diagnosis and transmission of the disease. - Perform counseling & discuss stepwise management of the disease.	Ward classroom, Bed Side, OPD			✓		✓		✓	OSP E/ Lo ng Cas e/ SA Q/ MC Q

5	Gynae	Vaginal Discharges. Infection of lower genital tract	• Define the disease & discuss causative factors & signs and symptoms of the disease. • Diagnosis and transmission of the disease. • Perform counseling & discuss stepwise management of the disease.	Ward classroom, Bed Side, OPD			✓		✓		✓	OSP E/ Lo ng Cas e/ SA Q/ MC Q
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Workshops & Hands on Trainings

WORKSHOP HANDS ON TRAINING Gynae Unit-I

Workshop	LEARNING OBJECTIVES (LOs)			Cognition			Psychomotor		Attitude	
	Cognition	Skill	Attitude	C1	C2	C3	P1	P2	A1	A2
Eclampsia / Maternal collapse / Ultrasound Obs and Gynae	1. Diagnose eclampsia based on clinical features and investigations. 2. Identify causes and apply ABCDE approach in maternal collapse 3. Interpret basic obstetric and gynecological ultrasound findings.	1. At the end of workshop Students should be able to Perform eclampsia, maternal collapse drill on dummy. 2. Demonstrate correct probe handling and standard scanning technique.	1. Show urgency and teamwork in emergency management. 2. Maintain calm leadership and effective team communication. 3. Maintain patient privacy and professional attitude during scanning.			✓ ✓ ✓		✓		✓

Pap smear and Diagnostic D&C Workshop	At the end of the workshop students should be able to 1. Explain the role of Pap smear in cervical cancer screening. 2. Describe the steps involved in performing a Pap smear procedure. 3. Outline the indications for Diagnostic D&C and endometrial biopsy. 4. Demonstrate the technique for performing Diagnostic D&C and endometrial biopsy.	1. Learners should perform the Pap smear procedure accurately. 2. Learners perform basic tasks of the Diagnostic D&C procedure with guidance and supervision. 3.	the end of workshop Students should be able to 1. Learners must appreciate the importance of Pap smears in cervical cancer prevention. 2. Learners should recognize the value of Diagnostic D&C in diagnosing uterine conditions 3.		✓		✓		✓	
					✓		✓		✓	
						✓				
							✓			

WORKSHOP HANDS ON TRAINING Gynae Unit-II

Worksh op	LEARNING OBJECTIVES (LOs)			Cognition			Psychomot or		Attitude	
	Cognition	Skill	Attitude	C1	C2	C3	P1	P2	A1	A2
Normal/ Abnormal labour/ Malpresent ation, Mechanism of labour in Breech	At the end of workshop Students should be able to Know the management plan of patient with abnormal presentation breech presentation ,occipitoposterior ,face presentation,breech presentation and transverse lie	At the end of workshop Students should be able to • Perform breech delivery on dummy				√		√		√
Hysterosc opy/ Laparosco py/ Diagnostic D & C/ ERPC, Myomect omy instrumen ts	At the end of workshop Students should be able to Know Indications ,complications of these procedures	At the end of workshop Students should be able to Identify these instruments Perform D&C and ERPC on dummy			√		√			

WORKSHOP HANDS ON TRAINING Gynae Unit-III

Workshop	LEARNING OBJECTIVES (LOs)			Cognition			Psychomotor		Attitude	
	Cognition	Skill	Attitude	C1	C2	C3	P1	P2	A1	A2
Contraception	Apply knowledge of different contraceptive methods to select the most appropriate option for a given patient scenario.	Perform effective contraceptive counseling and guide correct use of a selected method in a simulated setting.	Demonstrate a respectful, non-judgmental attitude while discussing contraceptive options with clients.			✓		✓		✓
PPH, APH, Shoulder dystocia, Uterine inversion Drills	At the end of workshop Students should be able to - Recognize early warning signs - Outline evidence-based management algorithms	At the end of workshop Students should be able to Perform PPH, APH, Shoulder dystocia drill on dummy				✓		✓		✓

Section- III

Clinical Rotation Details

Section- IV

Assessment

WARD ASSESSMENT WARD TEST

Ward Test Detail

10 OSPE stations = 5 Interactive & 5 Static

Assessment Tool	OSPE total Marks
Knowledge	/15
Skill	/20
Attitude	/15
Total	50
Passing Marks	25
Obtained Marks	

ASSESSMENT OF GRAND TEST

Assessment	Assessmen	Knowled	Skill	Attitud	Tota	Passing	Obtain Marks
Long Case Obstetrics Total Marks (30) Long Case Gvnaecology Marks (30)	History	/6	/2	/2	10	15	
	Physical Examination	/1	/3	/1	5		
	Investigations	/4		/1	5		
	Management	/4		/1	5		
	Follow Up	/5			5	15	
Total Long Case Obstetrics + Gynaecology Marks					60	30	
OSPE Total Marks		/30	/35	/10	75	37.5	
SAQ's Total Marks		/50			50	25	
Internals	Ward Test Marks 15				15	7.5	
Grand Total					200	100	

ASSESSMENT

CONTINUOUS	• Provide early indications of the performance of students. • Provides students with a constant stream of opportunities to prove their mastery of material and sends the message that everyone can succeed if given enough time and practice. This reduces the anxiety around testing and heightens the emphasis on the learning itself. • Advanced students can progress through material at their own pace and remain engaged by pursuing more challenging work as they master the basics
FORMATIVE	• Helps students to learn and practice • Log Book, Ward rotation assessment, Clinical case presentation
SUMMATIVE	Assess students' performance • End block examination (MCQ, SAQ, OSCE) • Final Professional Examination

End Block Examination

- **Send-up**

- ❖ 50 MCQs & 10 SAQs

- ❖ Total Marks are $50+50=100$

Final Professional Examination
Nishtar Medical University, Multan

Theory (135) 45% of total marks				Clinical & Practical (135) 45% of total marks		Internal Assessment (30) 10% of total marks	Total
50% of Theory + Clinical & Practical				50% of Theory + Clinical & Practical			
135				135		30	300
Paper I		Paper II		Long Case	OSCE		
70 marks		65 marks					
MCQs	SEQs	MCQs	SEQs				
35	7	35	10	60 (2)	75		
				44.4%	55%		
Numbers				-			
35	35	35	30				

Format of OSPE

MBBS Final Professional OBSTETRICS AND GYNAECOLOGY

OSPE Total Marks 75
Total Stations 20 (05 Rest Stations) 05 Minutes at Each Station

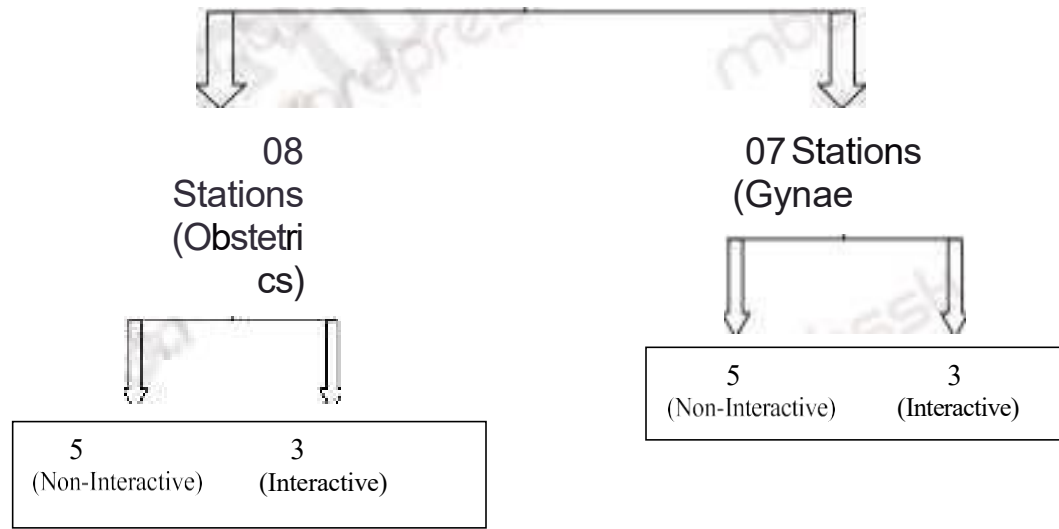
Out of 15, 08 stations will be of Obstetrics and 07 stations will be of Gynaecology. In these 15 stations, 05 stations will have to be interactive stations.

Long Case x 2 60 (30 Internal + 30 External)
One Long case of Obstetrics and One of Gynaecology (Compulsory Requirement)

Internal Assessment 15

Total Marks 150

15 Stations (05 marks for each station)



MBBS FINAL PROFESSIONAL

Obstetrics (Multiple Choice Questions)

Table of Specifications

35 MCQs of one mark each

Time Allowed 45 m i n u t e s

Sr. No.	Contents	No.of Questions
1.	Physiological changes in Pregnancy.	2
2.	Normal Fetal Development.	2
3.	Abnormal Fetal Development.	2
4.	Assessment of Fetal Well Being.	3
5.	Role of Investigations	1
6.	Antenatal Care.	4
7.	Pain relief in Labour.	1
8.	Normal Labour.	4
9.	Abnormal Labour.	4

10.	Puerperal Disorders.	3
11.	Medical Disorders in Pregnancy.	4
12.	Role of Imaging and Radiology.	2
13.	Statistics.	2
14.	Neonatology.	1
Total MCQs		35

MBBS FINAL PROFESSIONAL

Obstetrics

(Short Essay Questions) Table of Specifications
07 SEQs of 05 marks each Time Allowed 02 hours

Sr. No.	Contents	No. of Questions
1.	Physiology of Pregnancy.	1
2.	Antenatal care including investigations.	1
3.	Assessment of Fetal Well Being.	1
4.	Intrapartum Care - Normal Labour.	1
5.	Abnormal Labour.	1
6.	Post-Partum Disorders.	1
7.	Medical Disorders in Pregnancy .	1
Total SEQs		07

MBBS FINAL PROFESSIONAL

Gynaecology (Multiple Choice Questions)

Table of Specifications

35 MCQs of one mark each

Time Allowed 45 minutes

Sr. No.	Contents	No. of Questions
1.	Anatomy and embryology of genital tract	2
2.	Disorders of puberty and ovulation.	2
3.	Disorders of menstruation.	4
4.	Abortions.	2
5.	Ectopic gestation.	1
6.	Infertility.	2
7.	Endometriosis and adenomyosis.	1
8.	Infections of the genital tract.	3
9.	Uterovaginal prolapse.	1
10.	Urogynecology and fistulae.	1
11.	Benign diseases of genital tract.	4
12.	Malignant diseases of genital tract.	4
13.	Contraception.	2

14.	Menopause and HRT.	2
15.	Common gynecological procedures.	2
16.	Pre-intra and post-operative care.	1
Total MCQs		35

MBBS FINAL PROFESSIONAL

Gynaecology (Short Essay Questions)

Table of Specifications
10 SEQs of 03 marks each Time Allowed 02 Hours & 15 minutes

Sr. No.	Contents	No. of Questions
1.	Anatomy and development of the genital tract	1
2.	Disorders of menstruation.	1
3.	Abortions including ectopic gestation.	
4.	Infertility and Endometriosis.	1
5.	Infections of genital tract.	
6.	Benign tumors of genital tract.	1
7.	Malignancies of the genital tract.	1
8.	Displacements of the uterus and urinary problems.	1

9.	Contraception.	1
10.	Common gynecological procedures.	1
Total SEQs		10