

AVICENNA MEDICAL & DENTAL COLLEGE



STUDY GUIDE

2026

INFLAMMATION

BLOCK- 6 MODULE-11



Program: MBBS Integrated Curriculum
Year: 2nd Professional Year
Batch No: M-24
Session: 2025-2026

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About Avicenna Medical College

Avicenna Medical & Dental College is a purpose-built, fully equipped institution with experienced and excellence-driven faculty to train high-quality dental professionals in Pakistan.

Avicenna Medical & Dental College runs under the umbrella of Abdul Waheed Trust. Abdul Wahid Trust is a non-profit social welfare organization and is registered under the Societies Act with the Registrar of Societies. The Trust is legalized through a Trust Deed that bears the necessary rectifications. The Trust Deed is further supported by its Memorandum and Articles of Association, which authorize the establishment and operation of the Medical College, the Dental College, the Nursing College, the Allied Health Sciences College, and other activities in the healthcare sector.

In 2009, Avicenna Medical & Dental College was recognized by the Pakistan Medical & Dental Council. With the advent of advanced tools and technology in every field of health science, medicine today has shot up to the greater end of the gamut with superior choice and promises in medical therapy in the very vicinity of the common man. AVMDC promises to be one such neighborhood.

Message from the Principal



As a Co-Founder and Co-Chairperson, I have been involved in planning, construction, and accreditation of Avicenna Medical College by the Pakistan Medical and Dental Council (PM&DC) and its affiliation with the esteemed University of Health Sciences (UHS). It is a pleasure to see Avicenna Medical College develop, progress, and achieve maximum academic excellence in a short period since its inception in 2009. The institution has lived up to its mission of training and producing medical graduates of international standards. Three batches have passed out as Doctors, who are currently serving in the country and abroad, while several have opted for post-graduation and are on the road to progress. We have achieved several milestones since 2009, including the recognition of our College for FCPS training by the College of Physicians and Surgeons of Pakistan (CPSP), the establishment of the College of Nursing and Avicenna Dental College.

Principal

Prof. Dr. Gulfreen Waheed

MBBS, FCPS, MHPE, PhD Scholar - HPE

Avicenna Medical & Dental College

Message from the Chairman



The Avicenna Medical & Dental College is a project of Abdul Waheed Trust, which is a non-profit, Non-governmental, Non-political & Social organization, working for the welfare of Humanity and based on Community empowerment. Avicenna Medical College has its own 530-bedded Avicenna teaching Hospital (not-for-profit hospital) within the College Campus & 120-bedded Aadil Hospital, at 15 minutes' distance. Separate comfortable hostels for boys & girls are provided on the campus.

Our students benefit from the state-of-the-art College Library with facilities of Internet & online Journals that remain open 15 hours a day, for our students & faculty members. I am particularly pleased with the hard work by the Faculty and Students in the achievement of historic 100% results for all the classes. It is a rare achievement and speaks of the dedication of the Faculty and Staff. Our motto is Goodness prevails, and we aim at producing Doctors' who are knowledgeable, competent in clinical skills, and ethical values.

Avicenna Medical College & Hospital was founded to provide quality health care services to the deserving patients belonging to the rural areas near Avicenna Hospital as well as to provide quality medical education of international standard to our students. The Hospital provides all medical services and Lab diagnostics to the local population at minimal cost. So far by the grace of Allah Almighty the number of patients being treated and operated upon at our Hospital is increasing every day as there is no other public or charity hospital in the circumference of 20km. We have already established two Satellite Clinics in the periphery which are providing outdoor care while admission cases are brought to the Hospital in Hospital transport.

Following the success of our reputable Medical College and Hospital, we were able to successfully establish Avicenna Dental College which is recognized by the Pakistan medical & Dental Council & University of Health Sciences. To date, we have enrolled five batches in our dental college and we aim to achieve the same level of success for our dental students as our medical students.

Chairman

Abdul Waheed Sheikh

Avicenna Medical & Dental College

Vision & Mission



Avicenna Medical & Dental College



List of Abbreviations

Letter	Abbreviations	Subjects
A	A	Anatomy
	ABCDE	Airway, Breathing, Circulation, Disability, Exposure
	ABG	Arterial blood gas
	ACS	Acute Coronary Syndromes
	Ag	Aging
	AKI	Acute kidney injury
	ALT	Alanine transaminase
	AMI	Acute Myocardial Infarction
	AMP	Adenosine monophosphate
	ANA	Antinuclear Antibody
	ANCA	Anti-neutrophil Cytoplasmic Antibodies
	ANS	Autonomic Nervous System
	AO	Association of osteosynthesis
	APTT	Activated Partial Thromboplastin Clotting Time
	ARDS	Acute Respiratory Distress Syndrome
	ARVC	Arrhythmogenic Right Ventricular Cardiomyopathy
	ASD	Atrial Septal Defect

	AST	Aspartate aminotransferase
	ATLS	Advanced Trauma Life Support
	Au	Autopsy
	AUC	Area under the curve
	AV	Atrioventricular
B	B	Biochemistry
	BhS	Behavioral Sciences
	BHU	Basic Health Unit
	BSL	Biological Safety Level
C	C	Civics
	C-FRC	Clinical-Foundation Rotation Clerkship
	C.burnetii	Clostridium burnetii
	C.neoformans	Clostridium neoformans
	C.pneumoniae	Clostridium pneumoniae
	C.psittaci	Clostridium psittaci
	C.trachomatis	Clostridium trachomatis
	CA	cancer
	CABG	coronary artery bypass grafting
	CAD	coronary artery disease
	CBC	Complete Blood Count
	CCR5	cysteine-cysteine chemokine receptor
	CD31	cluster of differentiation 31
	CD34	cluster of differentiation 34
	CD4	cluster of differentiation 4
	CF	cystic fibrosis
	CK	Creatine kinase
	CLED	cystine lactose electrolyte deficient
	CLL	chronic lymphocytic leukemia
	CM	Community Medicine
	CML	chronic myeloid leukemia
	CMV	cytomegalovirus
	CNS	Central Nervous System
	CO	Carbon monoxide
	CO2	Carbon dioxide
	CODIS	combined DNA index system
	COPD	Chronic obstructive pulmonary disease
	COVID-19	Coronavirus Disease 2019
	COX	Cyclooxygenase
	CPR	Cardiopulmonary Resuscitation
	CR	Clinical Rotation
	CRP	Clinical Rotation CSF C- Reactive Protein
	CSF	Cerebrospinal Fluid
	CT	Computed tomography
	CV	Cardiovascular
	CVA	Cerebral vascular accident
	CVS	Cerebrovascular system
D	D.medinensis	Dracunculus Medinensis
	DALY	Disability-Adjusted Life Year
	DCIS	Ductal Carcinoma in situ

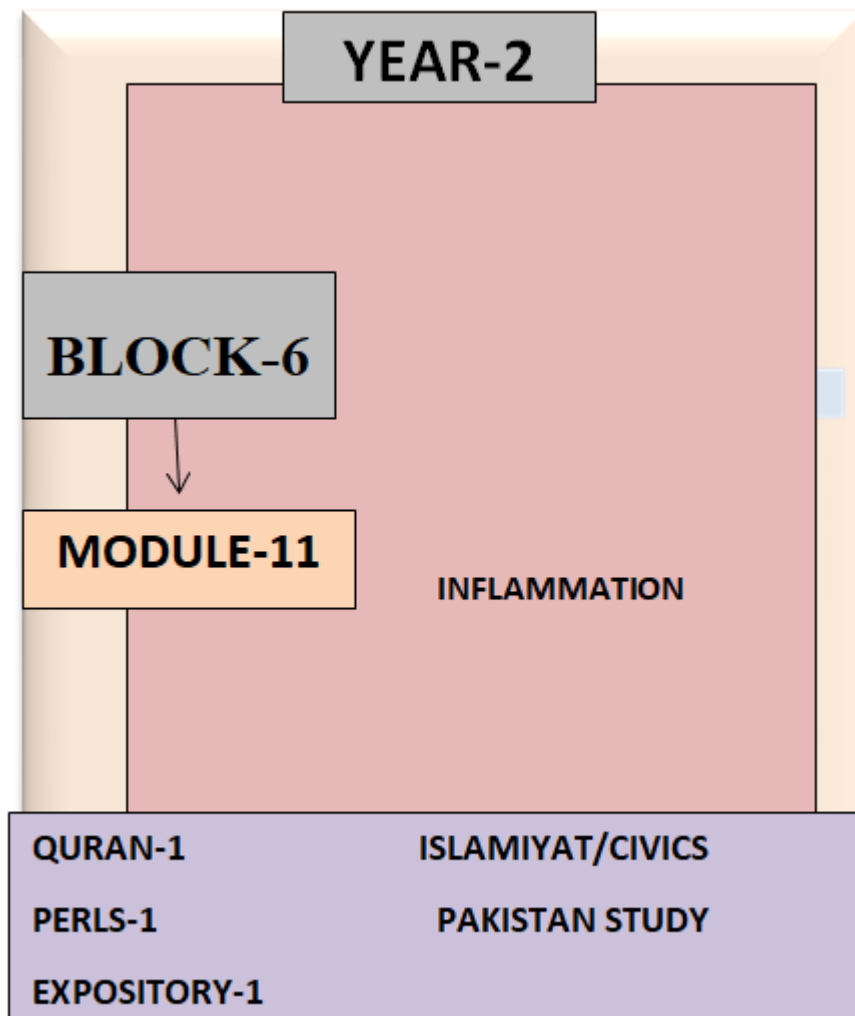
	DCM	Dilated Cardiomyopathy Dorsal Colu
	DCMLS	Dorsal column medial lemniscus system
	DLC	Differential Leukocyte Count
	DMARDs	Disease Modifying Anti-Rheumatic Drugs
	DNA	DeoxyRibonucleic Acid
	DOTS	Directly Observed Treatment Short-course
	DTP	Diphtheria, Tetanus, Pertussis
	DVI	Disaster Victim Identification
	DVT	Deep Vein Thrombosis
E	E.coli	Escherichia coli
	ECF	Extracellular Fluid
	ECG	Electrocardiography
	ECP	Emergency contraceptive pills
	ED50	Median Effective Dose
	EEG	Electroencephalogram
	EIA	Enzyme Immunoassay
	ELISA	Enzyme-Linked Immunosorbent Assay
	EnR	Endocrinology & Reproduction
	ENT	Ear Nose Throat
	EPI	Expanded Programme on Immunization
	ER	Emergency Room
F	F	Foundation
	FAST	Focused Assessment with Sonography
	FEV1	Forced Expiratory Volume 1
	FM	Family Medicine
	For	Forensic Medicine
	FPIA	Fluorescent Polarization Immunoassay
	FS	Forensic Serology
	FSc	Forensic Science
	FVC	Forced Vital Capacity
G	GCS	Glasgow Coma Scale
	GFR	Glomerular Filtration Rate
	GIT	Gastrointestinal tract
	GL-MS	Gas Liquid Mass Spectrometry
	GLC	Gas Liquid Chromatography
	GLP	Guanosine Monophosphate
	GMP	Guanosine monophosphate
	GO	Gynecology and Obstetrics
	GP	General Practitioner
	GPE	General Physical Examination
	GTO	Golgi Tendon Organ
	Gynae & Obs	Gynecology and Obstetrics
H	H & E	Hematoxylin and eosin
	H. influenzae	Haemophilus influenzae
	H.pylori	Helicobacter pylori
	HAI	Healthcare-Associated Infections
	HbC	Hemoglobin C
	HbS	Sickle Hemoglobin
	HbSC	Hemoglobin Sickle C Disease
	HCL	Hydrochloric Acid

	HCM	Hypertrophic Cardiomyopathy
	HHV	Human Herpesvirus
	HIT	Hematopoietic, Immunity, and Transplant
	HIV	Human Immunodeficiency Virus
	HL	Hematopoietic & Lymphatic
	HLA	Human Leukocyte Antigen
	HMP	Hexose Monophosphate
	HNSS	Head & Neck and Special Senses
	HPLC	High-Pressure Liquid Chromatography
I	ICF	Intracellular Fluid
	ID	Infectious Diseases
	IE	Infective Endocarditis
	IL	Interleukin
	ILD	Interstitial Lung Disease
	IN	Inflammation
	INR	International Normalized Ratio
	INSTIs	Integrase Strand Transfer Inhibitors
	IPV	Intrauterine Device
	IUD	Intrauterine device
	IUGR	Intra-Uterine Growth Restriction
J	JVP	Jugular Venous Pulse
L	L	Law
	LD50	Median Lethal Dose
	LDH	Lactate Dehydrogenase
	LSD	Lysergic acid diethylamide
M	M	Medicine
	MALT	Mucosa-Associated Lymphoid Tissue
	MBBS	Bachelor of Medicine, Bachelor of Surgery
	MCH	Mean corpuscular hemoglobin
	MCHC	Mean Corpuscular Hemoglobin Concentration
	MCV	Mean Corpuscular Volume
	MHO2001	Mental Health Ordinance 2001
	MoA	Mechanism of action
	MRI	Mechanism of action
	MS	Musculoskeletal
	MSD	Musculoskeletal disorders
	MSDS	Minimum Service Delivery Standards
	MSK	Musculoskeletal
N	N	Neoplasia
	NEAA	Non-Essential Amino Acids
	NK cells	Natural Killer Cells
	NNRTI	Non-nucleoside Reverse Transcriptase Inhibitors
	NRTIs	Nucleoside Reverse Transcriptase Inhibitors
	NS	Neurosciences
	NSAIDs	Non-steroidal Anti-Inflammatory Drugs
O	O	Ophthalmology
	OA	Osteoarthritis
	OPC	Organophosphate
	OPV	Oral poliovirus vaccine

	Or	Orientation
	Orth	Orthopaedic
P	P	Physiology
	P.jiroveci	Pneumocystis jiroveci
	Pa	Pathology
	PAD	Pathology
	PAF	Platelet-activating factor
	PBL	Problem-Based Learning
	PCH	Psychiatry
	PCR	Polymerase Chain Reaction
	PDA	Patent Ductus Arteriosus
	PDGF	Platelet-derived growth factor
	Pe	Pediatrics
	PEM	Protein Energy Malnutrition
	PERLs	Professionalism, Ethics, Research, Leadership
	PET	Positron Emission Tomography
	Ph	Pharmacology
	Ph	Pharmacology
	PI	Personal Identity
	PID	Pelvic inflammatory disease
	PIs	Protease inhibitors
	PMC	Pakistan Medical Commission
	PMDC	Pakistan Medical and Dental Council
	PMI	Post-Mortem Interval
	PNS	Peripheral Nervous System
	PPD	Paraphenylenediamine
	PPE	Personal Protective Equipment
	Psy	Psychiatry
	PT	Prothrombin Time
	PVC	Premature Ventricular Contraction
	PVD	Peripheral Vascular Diseases
Q	QALY	Quality-Adjusted Life Year
	QI	Quran and Islamiyat
R	R	Renal
	Ra	Radiology
	RA	Radiology
	RBCs	Red Blood cells
	RCM	Restrictive Cardiomyopathy
	RDA	Recommended Dietary Allowance
	Re	Respiratory
	RF	Rheumatoid factor
	RFLP	Restriction Fragment Length Polymorphism
	Rh	Rheumatology
	RHC	Rural Health Center
	RIA	Radioimmunoassay
	RMP	Resting Membrane Potential
	RNA	Ribonucleic Acid
	RTA	Road Traffic Accident
S	S	Surgery
	S.pneumonia	Streptococcus pneumoniae

	SA	Sinoatrial
	SCC	Squamous-cell carcinoma
	Se	Sexology
	Sec	Section
	SIDS	Sudden Infant Death Syndrome
	SLE	Systemic Lupus Erythematosus
	SOP	Standard Operating Procedure
T	TB	Tuberculosis
	TBI	Traumatic Brain Injury
	TCA	Tricarboxylic acid cycle
	TCBS	Thiosulphate Citrate Bile salts Sucrose
	TD50	Median Toxic Dose
	TGA	Transposition of the Great Arteries
	Th	Thanatology
	TLC	Thin Layer Chromatography
	TNF	Tumor Necrosis Factor
	TNM	Tumor Necrosis Factor
	TOF	Tetralogy of Fallot
	Tox	Toxicology
	Tr	Traumatology
	TSI	Triple Sugar Iron
U	USG	Ultrasonography
	UTI	Urinary Tract Infections
	UV	Ultraviolet
V	VAP	Ventilator-Associated Pneumonia
	Vd	Volume of Distribution
	VEGF	Vascular Endothelial Growth Factor
	VSD	ventricular septal defect
W	W. bancroft	Wuchereria bancroft
	WBCs	White Blood Cells
	WHO	World Health Organization
Z	ZN Staining	Ziehl-Neelsen Staining

Curriculum Framework



Introduction to the Study Guide

Welcome to the Avicenna Medical & Dental College Study Guide!

This guide serves as your essential resource for navigating the complexities of your medical education at Avicenna Medical & Dental College. It integrates comprehensive details on institutional framework, curriculum, assessment methods, policies, and resources, all meticulously aligned with UHS, PMDC and HEC guidelines.

Each subject-specific study guide is crafted through a collaborative effort between the Department of Medical Education and the respective subject departments, ensuring a harmonized and in-depth learning experience tailored to your academic and professional growth.

Objectives of the Study Guide

1. Institutional Understanding:

- Gain insight into the college's organizational structure, vision, mission, and graduation competencies as defined by PMDC, setting the foundation for your educational journey.

2. Effective Utilization:

- Master the use of this guide to enhance your learning and understanding of the collaborative role of the Department of Medical Education and your subject departments, in line with PMDC standards.

3. Subject Insight:

- Obtain a comprehensive overview of your courses, including detailed subject outlines, objectives, and departmental structures, to streamline your academic planning.

4. Curriculum Framework:

- Explore the curriculum framework, academic calendar, and schedules for clinical and community rotations, adhering to the structured guidelines of UHS & PMDC.

5. Assessment Preparation:

- Familiarize yourself with the various assessment tools and methods, including internal exam and external exam criteria, and review sample papers to effectively prepare for professional exams.

6. Policies and Compliance:

- Understand the institutional code of conduct, attendance and assessment policies, and other regulations to ensure adherence to college standards and accrediting body requirements.

7. Learning Resources:

- Utilize the learning methodologies, infrastructure resources, and Learning Management System to maximize your educational experience and academic success.

This guide, meticulously developed in collaboration with your subject departments, is designed to support your academic journey and help you achieve excellence in accordance with the highest standards set by PMDC and HEC.

7-Star Doctor Competencies (PMDC)

According to the national regulatory authority, PMDC, a Pakistani medical/dental graduate who has attained the status of a 'seven-star doctor' is expected to demonstrate a variety of attributes within each competency. These qualities/ generic competencies are considered essential and must be exhibited by the individual professionally and personally.

- Skillful / Care Provider.
- Knowledgeable / Decision Maker.
- Community Health Promoter / Community Leader.
- Critical Thinker / Communicator
- Professional / Lifelong learner.
- Scholar / Researcher
- Leader/ Role Model / Manager

Introduction to Module-11

- Module 11 is designed to build upon and consolidate the foundational knowledge acquired in the earlier years of medical education, particularly from the Foundation-I module.
- As students transition into their clinical years, it is crucial to reinforce and deepen their understanding of basic medical sciences to support the integration of new, clinically relevant concepts.
- This module serves as a bridge, revisiting core topics in general Pharmacology, Pathology, and Forensic medicine with an emphasis on their clinical applications.
- By doing so, it ensures that students develop a more comprehensive understanding, which is vital for the advanced study of organ systems in subsequent modules (e.g., CVS 2, Respiratory-2, GIT-2, Neurosciences-2, and Reproduction 2).
- Mastery of these topics is essential before students can effectively approach the complexities of clinical scenarios.
- The revisiting of these concepts throughout the curriculum ensures a robust and integrated understanding, laying a solid foundation for clinical competence.

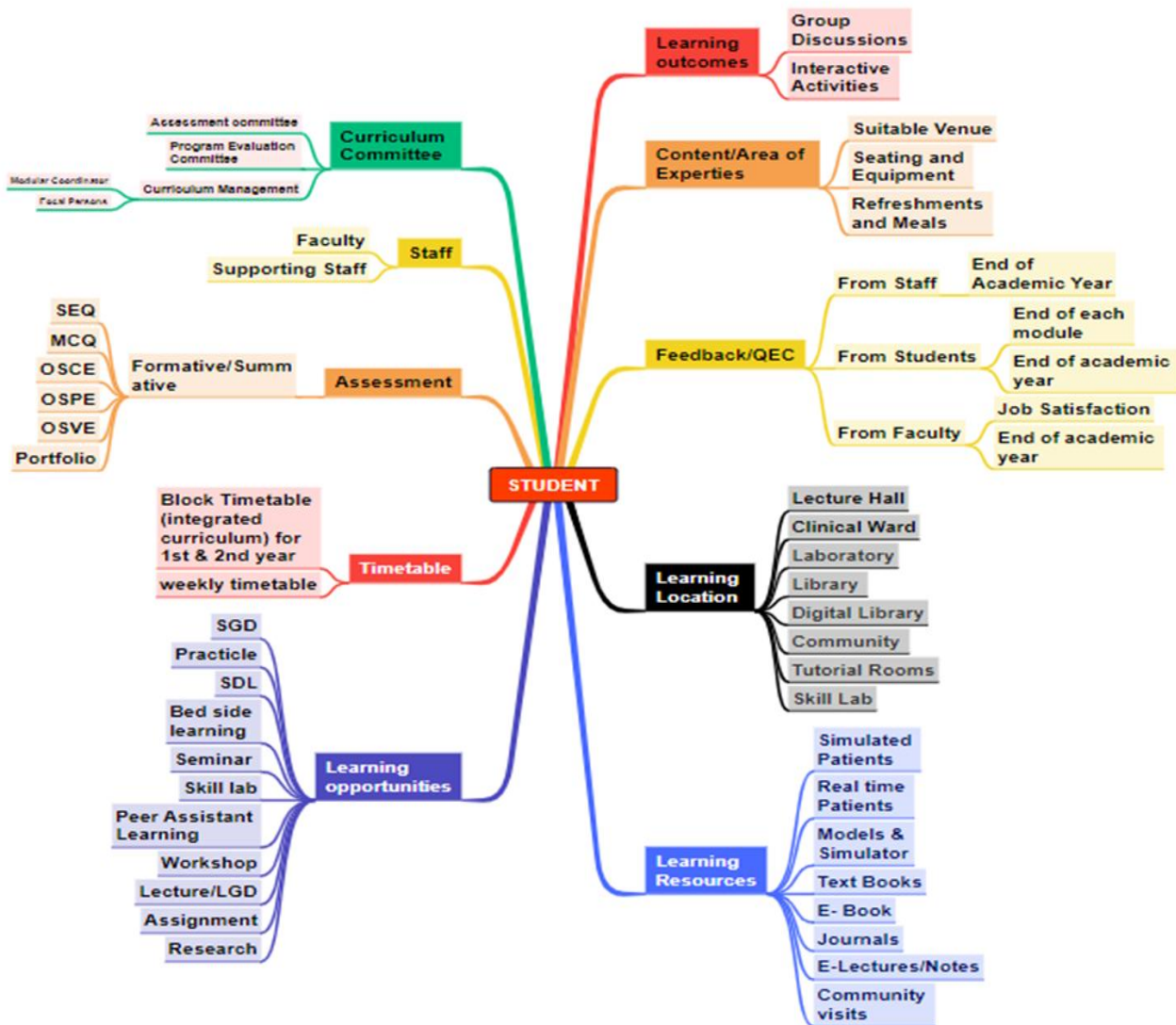
Module Committee

Name	Designation	Department
Prof. Dr. Gulfreen Waheed	Principal & Director DME	Medical Education
Dr. Saba Iqbal	Associate Professor	Medical Education
Dr. Syed Hussain Raza Zaidi	Assistant Professor	Medical Education
Dr. Ijlal Zehra	HOD	Assessment Cell
Dr. Javaid Shabkhez Rab	Coordinator	Medical Education
Dr. Huma Fatima	Demonstrator	Medical Education
Mr. Adeel	Incharge	Student Affairs
Prof. Dr. Razia	HOD	Anatomy
Dr. Kalsoom	Focal Person	Anatomy
Prof. Dr. Sadia Zafer	HOD	Physiology
Dr. Shaheena	Focal Person	Physiology
Prof. Sadia Amir	HOD	Biochemistry
Dr. Yusra	Focal Person	Biochemistry
Prof. Dr. Saeed Afzal	HOD	Pathology

Dr. Nadia salam	Focal Person	Pathology
Prof. Dr. Asma Saeed	HOD	Pharmacology
Dr. Azka	Focal Person	Pharmacology
Prof. Dr.Rana Akhtar	HOD	Community Medicine
Dr. Sana	Focal Person	Community Medicine
Dr. Uzma	Focal Person	General Surgery
Prof. Dr. Muzammil	HOD	Medicine Unit-1
Dr. Asim	Focal Person	General Medicine
Dr. Farhat Mihas	HOD	Behavioural Sciences

Curriculum Map

This pictorial, vertical, and horizontal presentation of the course content and extent shows the sequence in which various systems are to be covered. Curricular map to cover all the subjects and modules, and the time allocated to study the systems for the undergraduate programs offered at four colleges on campus are as follows:



Academic Calendar

Avicenna Medical & Dental College Calendar - 2025-2026 2nd year MBBS																											
April 2026								May 2026								June 2026								SESSION START: 6th April 2026			
	Sun	Mon	Tue	Wed	Thurs	Fri	Sat		Sun	Mon	Tue	Wed	Thurs	Fri	Sat		Sun	Mon	Tue	Wed	Thurs	Fri	Sat	Gazetted Holidays			
				1	2	3	4	Week-04						w-1	2	Week-5		1	2	3	4	5	6	i- Kashmir Holiday - 5th Feb, 2026			
Week-01	5	6	7	8	9	10	11	Week-5	3	4 TUT	5 TUT	6 TUT	7 TUT	8 TUT	9	Week-9	7	8 TUT	9 TUT	10 TUT	11 TUT	12 TUT	13	ii- Eid- ul- Fitr- 18th March - 20th March, 2026			
Week-02	12	13	14	15	16	17	18	Week-6	10	11 TUT	12 TUT	13 TUT	14 TUT	15 TUT	16	Week-10	14	15	16	17 IFA-2	18	19	20	iii- Pakistan Day -23rd March, 2026			
Week-03	19	20 TUT	21 TUT	22 TUT	23 TUT	24 TUT	25	Week-7	17	18	19	20	21 M:5	22	23	Week-11	21	22	23	24 Allied Test-1	w-25	w-26	27	iv- Labor Holiday- 1st May, 2026			
Week-04	26	27	28	29 IFA-1	30			Eid week	24	25	26	w-27	w-28	29	30	Week-12	28	w-29	30					v- Eid- Ul- Adha- 27th May - 29th May, 2026			
								31																vi- Youm-e-Takbeer Holiday - 28th May, 2026			
July 2026								August 2026								September 2026								vii- Ashura- 25th & 26th June, 2026			
	Sun	Mon	Tue	Wed	Thurs	Fri	Sat		Sun	Mon	Tue	Wed	Thurs	Fri	Sat		Sun	Mon	Tue	Wed	Thurs	Fri	Sat	viii- Independence Day- 14th Aug, 2026			
Week-12				1	2 M:7	3	4								1	Week-17			1 TUT	2 TUT	3 TUT	4 TUT	5	ix- Milad un Nabi- 25th Aug, 2026			
Week-13	5	6 B:4	7 B:4	8	9	10	11	Summer vacations	2	3	4	5	6	7	8	Week-18	6	7	8	9 IFA-3	10	11	12	x- Qaid-e-Azam Day/Christmas- 25th Dec, 2026			
Summer vacations	12	13	14	15	16	17	18	Week-14	9	10	11	12	13	wii-14	15	Week-19	13	14	15	16	17	18	19	xi- Kashmir Holiday - 5th Feb, 2027			
Summer vacations	19	20	21	22	23	24	25	Week-15	16	17 TUT	18 TUT	19 TUT	20 TUT	21 TUT	22	Week-20	20	21	22	23 IFA-4	24	25	26	Vacations			
Summer vacations	26	27	28	29	30	31		Week-16	23	24 TUT	w-25	26 TUT	27 TUT	28 TUT	29	Week-21	27	28	29	30 M:8				Spring Vacation - 16th March - 23rd March, 2026			
								Week-17	30	31 TUT														Summer Vacations - 15th July -16th			
October 2026								November 2026								December 2026								Events			
	Sun	Mon	Tue	Wed	Thurs	Fri	Sat		Sun	Mon	Tue	Wed	Thurs	Fri	Sat		Sun	Mon	Tue	Wed	Thurs	Fri	Sat	World Oral Health Day			
Week-21					1	2	3	Week-26	1	2 TUT	3 TUT	4 TUT	5 TUT	6 TUT	7	Week-30			1 TUT	2 TUT	3 TUT	4 TUT	5	International Day of Happiness			
Week-22	4	5	6	7	8	9	10	Week-27	8	9	10	11 M:9	12	13	14	Week-31	6	7 TUT	8 TUT	9 TUT	10 TUT	11 TUT	12	World TB Day			
Week-23	11	12 TUT	13 TUT	14 TUT	15 TUT	16 TUT	17	Week-28	15	16 B:5	17 B:5	18	19	20	21	Week-32	13	14	15	16 IFA-6	17	18	19	World Autism Awareness Day			
Week-24	18	19	20	21 IFA-5	22	23	24	Week-29	22	23	24	25	26	27	28	Winter vacations	20	21	22	23	24	w-25	26	White Coat Ceremony			
Week-25	25	26	27	28 Allied Test-2	29	30	31	Week-30	29	30 TUT						Week-33	27	28 TUT	29 TUT	30 TUT	31 TUT			Music Fest - 2026			
January 2027								February 2027								March 2027								Spring Fest			
	Sun	Mon	Tue	Wed	Thurs	Fri	Sat		Sun	Mon	Tue	Wed	Thurs	Fri	Sat		Sun	Mon	Tue	Wed	Thurs	Fri	Sat	World Hand Hygiene Day			
Week-33						1 TUT	2			1	2	3	4	w-6	6			1	2	3	4	5	6	International Nursing Day			
Week-34	3	4	5	6 IFA-7	7	8	9	Send Up	7	8	9	10	11	12 B:6 Send Up	13		7	8	9	10	11	12	13	World Hypertension Day			
Week-35	10	11	12	13 M:10	14	15	16		14	15 B:4 Send Up	16	17	18	19 B:5 Send Up	20		14	15	16	17	18	19	20	Debates & MUN			
Week-36	17	18 Allied Test-3	19	20	21 M:11	22	23		21	22 Oppe/Viva	23 B:4 Oppe/Viva	24 B:5 Oppe/Viva	25	26	27		21	22	23	24	25	26	27	Class Trips			
Week-37	24	25	26 B:6	27 B:6	28	29	30		28								28	29	30	31				World Environment Day			
																								Fun Fair			
																								International Self-Care Day			
																								Independence Day			
																								Oral & Nsect Competition			
																								Blood Cancer Awareness Day			
																								World First Aid Day			
																								World Patient Safety Day			
																								World Heart Day			
																								Sports Fest - 26			
																								World Mental Health Day			
																								Breast Cancer Awareness			
																								Talent Hunt & Drum Circle			
																								Art & Craft			
																								Yoga & Aerobics			
																								Character Day & Bake Sale			
																								Golden Week			
																								Block Exam			
																								a. Block-4 Exam : 9th July, 2026			
																								b. Block-5 Exam : 11th November, 2026			
																								c. Block-6 Exam : 9th February, 2027			
																								LSZ/ Send-Up			
																								Send Up = 12th Feb 2027 to 24th feb 2027			
																								Prof Exam			

Time Table:

AVICENNA MEDICAL & DENTAL COLLEGE											
TIME TABLE WEEK-28		M-24 2nd Year MBBS		SESSION 2025-2026				Theme:			
DATE	DAY							BLOCK # VI		MODULE - 10	
16-Nov-26	Mon	08:00 - 11:00			11:00 - 11:30	11:30 - 12:30	12:30-01:30	1:30-2:30	2:30 - 3:30	3:30 - 5:00	5:00 - 6:00
		BLOCK - V THEORY			BREAK	English Expository Writing	Lecture PERL Leadership	Lecture Islamiyat	Lecture Pakistan Studies	BREAK	CFRC
17-Nov-26	Tues	08:00 - 10:30		10:30-11:00	11:00 - 01:00		01:00-01:30	1:30-3:30			5:00 - 6:00
		BLOCK - V OSPE / OSVE BATCH B		BREAK	BLOCK - V OSPE / OSVE BATCH C		BREAK	BLOCK - V OSPE / OSVE BATCH A			CFRC
18-Nov-26	Wed	08:00 - 09:00	09:00 - 10:00	10:00-11:00	11:00 - 11:30	11:30 - 12:30	12:30-01:30	1:30 - 2:30	2:30 - 3:30		5:00 - 6:00
		Lecture Histology	Lecture Physiology	Lecture Gross Anatomy		Lecture Physiology	Tutorial Anatomy Biochemistry Physiology	Clinical Skill	Practical Histology Biochemistry Physiology		CFRC
19-Nov-26	Thur	08:00 - 09:00	09:00 - 10:00	10:00-11:00	BREAK	11:30 - 12:30	12:30-01:30	1:30 - 2:30	2:30 - 3:30		5:00 - 6:00
		Lecture Biochemistry	Lecture Physiology	Lecture Embryology		Lecture Physiology	Tutorial Anatomy Biochemistry Physiology	Clinical Skill	Practical Histology Biochemistry Physiology		CFRC
20-Nov-26	Fri	08:00 - 09:00	09:00 - 10:00	10:00-11:00	11:00-12:00	12:00-1:00	1:00-2:30		2:30 - 3:30		5:00 - 6:00
		Lecture Physiology	Lecture Gross Anatomy	Lecture Physiology	Tutorial Anatomy Biochemistry Physiology	Practical Histology Biochemistry Physiology	JUMMA BREAK		Lecture Quran		CFRC

AVICENNA MEDICAL & DENTAL COLLEGE												
TIME TABLE WEEK-29		M-24 2nd Year MBBS		SESSION 2025-2026				Theme:				
DATE	DAY							BLOCK # VI		MODULE - 10		
23-Nov-26	Mon	08:00 - 09:00	09:00 - 10:00	10:00-11:00	BREAK	11:30 - 12:30	12:30-01:30	1:30-2:30	2:30 - 3:30	BREAK	3:30 - 5:00	5:00 - 6:00
		Lecture Gross Anatomy	Lecture Biochemistry	Lecture Physiology		Lecture Embryology	Lecture Physiology	Tutorial Anatomy Biochemistry Physiology	Practical Histology Biochemistry Physiology		CFRC	
08:00 - 09:00	09:00 - 10:00	10:00-11:00	11:30 - 12:30	12:30-01:30		1:30-2:30	2:30 - 3:30	5:00 - 6:00				
24-Nov-26	Tues	Lecture Biochemistry	SGD Anatomy			Lecture Physiology	English Expository Writing	Tutorial Anatomy Biochemistry Physiology	Practical Histology Biochemistry Physiology		CFRC	
08:00 - 09:00		09:00 - 10:00	10:00-11:00	11:30 - 12:30		12:30-01:30	1:30 - 2:30	2:30 - 3:30	5:00 - 6:00			
25-Nov-26	Wed	Lecture Physiology	SGD Anatomy			Lecture Physiology	Tutorial Anatomy Biochemistry Physiology	Clinical Skill	Practical Histology Biochemistry Physiology		CFRC	
08:00 - 09:00		09:00 - 10:00	10:00-11:00	11:30 - 12:30		12:30-01:30	1:30 - 2:30	2:30 - 3:30	5:00 - 6:00			
26-Nov-26	Thur	Lecture Gross Anatomy	Lecture Physiology	Lecture Biochemistry		Lecture Physiology	Lecture Pharmacology	Clinical Skill	Lecture PERL Leadership		CFRC	
08:00 - 09:00		09:00 - 10:00	10:00-11:00	11:00-12:00	12:00-1:00	1:00-2:30		2:30 - 3:30	5:00 - 6:00			
27-Nov-26	Fri	Lecture Physiology	Lecture Embryology	Lecture Physiology	Lecture Histology	Lecture Quran	JUMMA BREAK	Lecture Islamiyat	CFRC			

AVICENNA MEDICAL & DENTAL COLLEGE											
TIME TABLE WEEK-30		M-24 2nd Year MBBS		SESSION 2025-2026				Theme:			
DATE	DAY							BLOCK # VI		MODULE - 10	
		08:00 - 09:00	09:00 - 10:00	10.00-11.00	11:00 - 11:30	11:30 - 12:30	12:30-01:30	1.30-2.30	2:30 - 3:30	3:30 - 5:00	5:00 - 6:00
30-Nov-26	Mon	Lecture Histology	Lecture Biochemistry	Lecture Physiology	BREAK	Lecture Embryology	Lecture Physiology	Tutorial Anatomy Biochemistry Physiology	Practical Histology Biochemistry Physiology	BREAK	CFRC
1-Dec-26	Tues	08:00 - 09:00	09:00 - 10:00	10.00-11.00		11:30 - 12:30	12:30-01:30	1.30-2.30	2:30 - 3:30		5:00 - 6:00
		Lecture Biochemistry	Lecture Physiology	Lecture Gross Anatomy		Lecture Physiology	Computer Science	Tutorial Anatomy Biochemistry Physiology	Practical Histology Biochemistry Physiology		CFRC
2-Dec-26	Wed	08:00 - 09:00	09:00 - 10:00	10.00-11.00		11:30 - 12:30	12:30-01:30	1:30 - 2:30	2:30 - 3:30		5:00 - 6:00
		Lecture Physiology	SGD Anatomy			Lecture Physiology	Tutorial Anatomy Biochemistry Physiology	Clinical Skill	Practical Histology Biochemistry Physiology		CFRC
3-Dec-26	Thur	08:00 - 09:00	09:00 - 10:00	10.00-11.00	11:30 - 12:30	12:30-01:30	1:30 - 2:30	2:30 - 3:30	5:00 - 6:00		
		Lecture Gross Anatomy	Lecture Physiology	Lecture Biochemistry	Lecture Pathology	Lecture PERL Leadership	Clinical Skill	Lecture Islamiyat	CFRC		
4-Dec-26	Fri	08:00 - 09:00	09:00 - 10:00	10.00-11.00	11:00-12:00	12:00-1:00	1:00-2:30	2:30 - 3:30	5:00 - 6:00		
		Lecture Physiology	SGD Anatomy		Lecture Physiology	English Expository Writing	JUMMA BREAK	Lecture Quran	CFRC		

AVICENNA MEDICAL & DENTAL COLLEGE												
TIME TABLE WEEK-31		M-24 2nd Year MBBS		SESSION 2025-2026				Theme:				
DATE	DAY							BLOCK # VI		MODULE - 10		
7-Dec-26	Mon	08:00 - 09:00	09:00 - 10:00	10:00-11:00	11:00 - 11:30	11:30 - 12:30	12:30-01:30	1:30-2:30	2:30 - 3:30	3:30 - 5:00	5:00 - 6:00	
		<u>Lecture</u> Gross Anatomy	<u>Lecture</u> Biochemistry	<u>Lecture</u> Physiology		<u>Lecture</u> Pathology	<u>Lecture</u> Physiology	<u>Tutorial</u> Anatomy Biochemistry Physiology	<u>Practical</u> Histology Biochemistry Physiology			
8-Dec-26	Tues	08:00 - 09:00	09:00 - 10:00	10:00-11:00		11:30 - 12:30	12:30-01:30	1:30-2:30	2:30 - 3:30			
		<u>Lecture</u> Biochemistry	<u>Lecture</u> Physiology	<u>Lecture</u> Embryology		<u>Lecture</u> Physiology	Computer Science	<u>Tutorial</u> Anatomy Biochemistry Physiology	<u>Practical</u> Histology Biochemistry Physiology			
9-Dec-26	Wed	08:00 - 09:00	09:00 - 10:00	10:00-11:00		BREAK	11:30 - 12:30	12:30-01:30	1:30 - 2:30			2:30 - 3:30
		<u>Lecture</u> Physiology	SGD Anatomy				<u>Lecture</u> Behavioural Science	<u>Tutorial</u> Anatomy Biochemistry Physiology	<u>Clinical Skill</u>			<u>Practical</u> Histology Biochemistry Physiology
10-Dec-26	Thur	08:00 - 09:00	09:00 - 10:00	10:00-11:00			11:30 - 12:30	12:30-01:30	1:30 - 2:30			2:30 - 3:30
		<u>Lecture</u> Histology	<u>Lecture</u> Physiology	<u>Lecture</u> Gross Anatomy			<u>Lecture</u> Physiology	<u>Lecture</u> PERL Leadership	<u>Clinical Skill</u>			<u>Lecture</u> Islamiyat
11-Dec-26	Fri	08:00 - 09:00	09:00 - 10:00	10:00-11:00	11:00-12:00		12:00-1:00	1:00-2:30		2:30 - 3:30		
		<u>Lecture</u> Physiology	SGD Anatomy		<u>Lecture</u> Physiology		English Expository Writing	JUMMA BREAK		<u>Lecture</u> Quran		

AVICENNA MEDICAL & DENTAL COLLEGE											
TIME TABLE WEEK-32		M-24 2nd Year MBBS		SESSION 2025-2026				Theme:			
DATE	DAY							BLOCK # VI		MODULE - 10	
		08:00 - 09:00	09:00 - 10:00	10:00-11:00	11:00 - 11:30	11:30 - 12:30	12:30-01:30	1.30-2.30	2:30 - 3.30	3:30 - 5.00	5:00 - 6.00
14-Dec-26	Mon	<u>Lecture</u> Gross Anatomy	<u>Lecture</u> Physiology	<u>Lecture</u> Biochemistry	BREAK	<u>Lecture</u> Embryology	<u>Lecture</u> Physiology	<u>Tutorial</u> Anatomy Biochemistry Physiology Pathology	<u>Practical</u> Histology Biochemistry Physiology	BREAK	CFRC
15-Dec-26	Tues	08:00 - 09:00	09:00 - 10:00	10:00-11:00		11:30 - 12:30	12:30-01:30	1.30-2.30	2:30 - 3.30		5:00 - 6.00
		<u>Lecture</u> Biochemistry	SGD Anatomy			<u>Lecture</u> Physiology	English Expository Writing	<u>Tutorial</u> Anatomy Biochemistry Physiology Pathology	<u>Practical</u> Histology Biochemistry Physiology		CFRC
		08:00 - 09:00	09:00 - 10:00	10:00-11:00		11:30 - 12:30	12:30-01:30	1.30 - 2:30	2:30 - 3.30		5:00 - 6.00
16-Dec-26	Wed	Integrated Formative Assessment 06	<u>Lecture</u> Gross Anatomy	<u>Lecture</u> Physiology		11:30 - 12:30	<u>Tutorial</u> Anatomy Biochemistry Physiology Pathology	<u>Clinical Skill</u>	<u>Practical</u> Histology Biochemistry Physiology		CFRC
17-Dec-26	Thur	08:00 - 09:00	09:00 - 10:00	10:00-11:00	11:30 - 12:30	12:30-01:30	1:30 - 2:30	2:30 - 3.30	5:00 - 6.00		
		<u>Lecture</u> Physiology	SGD Anatomy		<u>Lecture</u> Community Medicine	<u>Tutorial</u> Anatomy Biochemistry Physiology Pathology	<u>Clinical Skill</u>	Computer Science	CFRC		
18-Dec-26	Fri	08:00 - 09:00	09:00 - 10:00	10:00-11:00	11:00-12:00	12:00-1:00	1:00-2:30	2:30 - 3.30	5:00 - 6.00		
		<u>Lecture</u> Histology	<u>Lecture</u> Physiology	<u>Lecture</u> Embryology	<u>Lecture</u> Physiology	<u>Lecture</u> Quran	JUMMA BREAK	<u>Lecture</u> Quran	CFRC		

AVICENNA MEDICAL & DENTAL COLLEGE											
TIME TABLE WEEK-33		M-24 2nd Year MBBS		SESSION 2025-2026				Theme:			
DATE	DAY							BLOCK # VI		MODULE - 10	
		08:00 - 09:00	09:00 - 10:00	10:00-11:00	11:00 - 11:30	11:30 - 12:30	12:30-01:30	1.30-2.30	2.30 - 3.30	3.30 - 5.00	5:00 - 6.00
28-Dec-26	Mon	<u>Lecture</u> Physiology	<u>Lecture</u> Embryology	<u>Lecture</u> Physiology	BREAK	<u>Lecture</u> Medicine AGING	<u>Lecture</u> Surgery	<u>Tutorial</u> Anatomy Biochemistry Physiology Pathology	<u>Practical</u> Histology Biochemistry Physiology	BREAK	CFRC
29-Dec-26	Tues	08:00 - 09:00	09:00 - 10:00	10:00-11:00		11:30 - 12:30	12:30-01:30	1.30-2.30	2.30 - 3.30		5:00 - 6.00
		<u>Lecture</u> Gross Anatomy	<u>Lecture</u> Physiology	<u>Lecture</u> Surgery		<u>Lecture</u> Physiology	<u>Lecture</u> Medicine	<u>Tutorial</u> Anatomy Biochemistry Physiology Pathology	<u>Practical</u> Histology Biochemistry Physiology		CFRC
30-Dec-26	Wed	08:00 - 09:00	09:00 - 10:00	10:00-11:00		11:30 - 12:30	12:30-01:30	1.30 - 2.30	2.30 - 3.30		5:00 - 6.00
		<u>Lecture</u> Physiology	<u>Lecture</u> Biochemistry	<u>Lecture</u> Behavioural Science		<u>Lecture</u> Physiology	<u>Tutorial</u> Anatomy Biochemistry Physiology Pathology	<u>Clinical Skill</u>	<u>Practical</u> Histology Biochemistry Physiology		CFRC
31-Dec-26	Thur	08:00 - 09:00	09:00 - 10:00	10:00-11:00	11:30 - 12:30	12:30-01:30	1.30 - 2.30	2.30 - 3.30	5:00 - 6.00		
		<u>Lecture</u> Biochemistry	<u>Lecture</u> Gross Anatomy	<u>Lecture</u> Physiology	<u>Lecture</u> Community Medicine	<u>Tutorial</u> Anatomy Biochemistry Physiology Pathology	<u>Clinical Skill</u>	English Expository Writing	CFRC		
1-Jan-27	Fri	08:00 - 09:00	09:00 - 10:00	10:00-11:00	11:00-12:00	12:00-1:00	1.00-2.30	2.30 - 3.30	5:00 - 6.00		
		<u>Lecture</u> Histology	<u>Lecture</u> Physiology	<u>Lecture</u> Medicine	<u>Lecture</u> Peds	<u>Lecture</u> Quran	JUMMA BREAK	<u>Lecture</u> Pakistan Studies	CFRC		

AVICENNA MEDICAL & DENTAL COLLEGE											
TIME TABLE WEEK-34		M-24 2nd Year MBBS		SESSION 2025-2026				Theme:			
DATE	DAY							BLOCK # VI		MODULE - 11	
		08:00 - 09:00	09:00 - 10:00	10:00-11:00	11:00 - 11:30	11:30 - 12:30	12:30-01:30	1:30-2:30	2:30 - 3:30	3:30 - 5:00	5:00 - 6:00
4-Jan-27	Mon	<u>Lecture</u> Histology	<u>Lecture</u> Pathology	<u>Lecture</u> Pharmacology	BREAK	Computer Science	<u>Lecture</u> Quran	<u>English</u> Expository Writing	<u>Practical</u> Histology Pathology Pharmacology	BREAK	CFRC
5-Jan-27	Tues	<u>Lecture</u> Pathology	<u>Lecture</u> Embryology	<u>Lecture</u> Pathology		<u>English</u> Expository Writing	<u>Lecture</u> Quran	<u>Lecture</u> Pakistan Studies	<u>Practical</u> Histology Pathology Pharmacology		CFRC
6-Jan-27	Wed	Integrated Formative Assessment 07	<u>Lecture</u> Pharmacology	<u>Lecture</u> Pathology		<u>English</u> Expository Writing	<u>Lecture</u> Quran	<u>Clinical Skill</u>	<u>Practical</u> Histology Pathology Pharmacology		CFRC
7-Jan-27	Thur	<u>Lecture</u> Pharmacology	<u>Lecture</u> Embryology	<u>Lecture</u> Pathology		<u>Lecture</u> PERL Research	<u>Lecture</u> Community Medicine	<u>Clinical Skill</u>	<u>Lecture</u> Quran		CFRC
8-Jan-27	Fri	<u>Lecture</u> Biochemistry	<u>Lecture</u> Pathology	<u>Lecture</u> Community Medicine		<u>English</u> Expository Writing	JUMMA BREAK	<u>Lecture</u> Pakistan Studies			CFRC

AVICENNA MEDICAL & DENTAL COLLEGE												
TIME TABLE WEEK-27		M-24 2nd Year MBBS		SESSION 2025-2026				Theme:				
DATE	DAY							BLOCK # VI		MODULE - 10		
		08:00 - 09:00	09:00 - 10:00	10:00-11:00	11:00 - 11:30	11:30 - 12:30	12:30-01:30	1:30-2:30	2:30 - 3:30	3:30 - 5:00	5:00 - 6:00	
9-Nov-26	Mon	SGD Anatomy		Lecture Physiology	BREAK	Lecture Embryology	Lecture Physiology	Lecture PERL Professionalism	Lecture Quran	BREAK	CFRC	
10-Nov-26	Tues	08:00 - 09:00	09:00 - 10:00	10:00-11:00		11:30 - 12:30	12:30-01:30	1:30-2:30	2:30 - 3:30		5:00 - 6:00	CFRC
		Lecture Biochemistry	Lecture Gross Anatomy	Lecture Physiology		Lecture Embryology	Lecture Physiology	Lecture PERL Ethics	Practical Histology Biochemistry Physiology			
11-Nov-26	Wed	08:00 - 09:00	09:00 - 10:00	10:00-11:00		11:30 - 12:30	12:30-01:30	1:30 - 2:30	2:30 - 3:30		5:00 - 6:00	CFRC
		Lecture Histology	Lecture Physiology	Lecture Gross Anatomy		Lecture Physiology	Lecture PERL Research	Lecture PERL Ethics	Practical Histology Biochemistry Physiology			
12-Nov-26	Thur	08:00 - 11:00		11:00-12:30		12:30 - 2:00		2:00-3:30		5:00 - 6:00		
		MODULE - 09 THEORY		MODULE - 09 OSPE / OSVE BATCH - C		MODULE - 09 OSPE / OSVE BATCH - A		MODULE - 09 OSPE / OSVE BATCH - B		CFRC		
13-Nov-26	Fri	08:00 - 09:00	09:00 - 10:00	10:00-11:00	11:00-12:00	12:00-1:00	1:00-2:30		2:30 - 3:30	5:00 - 6:00		
		Lecture Gross Anatomy	Lecture Physiology	Lecture Biochemistry	Lecture Physiology	Practical Histology Biochemistry Physiology	JUMMA BREAK		Lecture Pakistan Studies	CFRC		

AVICENNA MEDICAL & DENTAL COLLEGE										
TIME TABLE WEEK-35		M-24 2nd Year MBBS		SESSION 2025-2026				Theme:		
DATE	DAY							BLOCK # VI	MODULE - 11	
11-Jan-27	Mon	08:00 - 11:00		11:00-12:30		12:30 - 2:00		2:00-3:30	3:30 - 5:00	5:00 - 6:00
		MODULE - 10 THEORY		MODULE - 10 OSPE / OSVE BATCH - C		MODULE - 10 OSPE / OSVE BATCH - A		MODULE - 10 OSPE / OSVE BATCH - B	BREAK	CFRC
12-Jan-27	Tues	08:00 - 09:00	09:00 - 10:00	10:00-11:00	BREAK	11:30 - 12:30	12:30-01:30	1:30-2:30		5:00 - 6:00
		Lecture Pathology	Lecture Pharmacology	Lecture Pathology		Lecture Community Medicine	English Expository Writing	Lecture Quran		CFRC
13-Jan-27	Wed	08:00 - 09:00	09:00 - 10:00	10:00-11:00		11:30 - 12:30	12:30-01:30	1:30 - 2:30		5:00 - 6:00
		Lecture Biochemistry	Lecture Pathology	Lecture Pharmacology		Computer Science	English Expository Writing	Clinical Skill		CFRC
14-Jan-27	Thur	08:00 - 09:00	09:00 - 10:00	10:00-11:00		11:30 - 12:30	12:30-01:30	1:30 - 2:30		5:00 - 6:00
		Lecture Pathology	Lecture Pharmacology	Lecture Pathology		Lecture Embryology	Lecture Quran	Clinical Skill		CFRC
15-Jan-27	Fri	08:00 - 09:00	09:00 - 10:00	10:00-11:00	11:00-12:00	12:00-1:00	1:00-2:30		2:30 - 3:30	5:00 - 6:00
		Lecture Histology	Lecture Pathology	Lecture Behavioural Science	Lecture Pathology	Lecture Islamiyat	JUMMA BREAK		Lecture Pakistan Studies	CFRC

Allocation of Hours

AVICENNA MEDICAL COLLEGE, LAHORE																																	
2ND YEAR MBBS																																	
Wk #	Anatomy			Biochemistry			Physiology			Path			Pharm		Bh.Sc.	C.M.	Clinical Lectures	PERL				Quran	Islamiyat	Pak Std	Clinical I Skills	Clinical Rotations	Comp. Sc.	EEW	Sports	Exam	Total		
	Lec	Tut	Prac	Lec	Tut	Prac	Lec	Tut	Prac	Lec	Tut	Prac	Lec	Prac				Prof	Ethics	Research	Lead												
1	9		2	6		2	5		2	1					1	1						1	1			2	5		1			39	
2	7	1	2	6	1	2	4	1	2	1						1			2			1				2	5	1				39	
3	7	2	2	5	1	2	3	1	2	1					1	1			2			1				2	5		1			39	
4	5	1	2	4	1	2	1	1			1		2	1							2	1				2	4				1	32	
5	8	1	2	7	1	2	2	1							2	1	1				1	1	1	1	1	2	5					39	
6	8	2	2	8	1	2	2	1	2							1	1				1				1	2	5					39	
7	4	1	2	3	1	2	6	1	2	2							1		1			1					5				7	39	
8	5	1	2	5	1	2	7	1	2	2				1		1			1							2	5			1		39	
9	4	1	2	5	1	2	8	1	2		2	1				1					1					2	5				1	39	
10	3	1	2	3	1	2	8	1	3				1	2	1					1						2	5			1	1	39	
11	2	1	2	2	1	2	2	1	2	1					1			1									3	1			1	24	
12	6		2	4		2	6			1		2							1				1				5		1	1	7	39	
13	6	1	1	2	1	1	4	1		1		1						1				1	1				5	1		1	10	39	
14	5	1	2	2	1		5	1	2	2	2	1							1		1					2	4					32	
15	7	1	2	3	1		6	1		1	2	1	2			1				1		1				2	5	1		1		39	
16	6	1	2	2	1	2	4	1		1	2										1					2	4		1	1		31	
17	6	1	2	3	1	2	6	1	2	2	2					1					1			1			5	1		1		39	
18	6	1	1	2	1		6	1	2	1	2			1		1		1				1	1	1	1	2	5	1		1	1	39	
19	6	1	1	3	1		6	1	2	1	2		1		1						1	1	1	1	1	2	5	1		1		39	
20	7	1		3	1		9	1		2					1	1	1				1	1			1	2	5			1	1	39	
21	12		2	1		2	4		2	1						1					1						5				1	7	39
22	11	2	2	1	1	2	4	1	2	1						1			1								5				5	39	
23	9	2	2		1	2	3	1	2							1					1						4			11		39	
24	12	2	2		1	2	5	1	2	1						1			1			1				2	5				1	39	
25	13	2	2	1	1	2	4	1	2						1			1				1				2	5				1	39	
26	13	2	2		1	2	5	1	2								1		1						1	2	5					39	
27	8		1	2		1	8		1									1	2	1			1		1		5				7	39	
28	4	1	1	1	1	1	6	1	1												1	1	1	1	1	2	5		1		10	39	
29	9	1	1	3	1	1	9	1	1					1							1	1	1			2	5		1			39	
30	8	1	1	3	1	1	9	1	1	1											1	1	1			2	5	1	1			39	
31	8	1	1	2	1	1	9	1	1	1					1						1	1	1			2	5	1	1			39	
32	9	1	1	2	1	1	7	1	1		1				1	1						2				2	5	1	1		1	39	
33	4	1	1	2	1	1	8	1	1		1				1	1	6					1			1	2	5		1			39	
34	3		1	1						6		1	3	1		2				1		4	1	2	2	5	1	4			1	39	
35	2		1	1						6		1	3	1	1	1						2	1	1	2	5	1	2			8	39	
36																															17	17	
37																															34	34	
38																															27	27	
39																															14	14	
	242	36	56	98	29	48	181	29	41	43	2	21	14	10	15	21	9	9	6	7	15	28	13	13	52	169	12	16	28	157	1420		
	AL	AT	AP	BL	BT	BP	PL	PT	PP	PtL	PtT	PtP	PhL	PhP	Bh.Sc.	C.M.	Clin Lec	Prof	Ethics	Research	Lead	Quran	Isl	PS	CI SK	CI Rota	CS	EEW	Sports	Exam			
	278	56		127	48		210	41		45		21		24						37												65	
																																	1328

Module Outcome

- Define inflammation and describe its fundamental characteristics.

- Explain the cellular and molecular mechanisms that underlie the inflammatory response.
- Differentiate between acute and chronic inflammation
- Discuss the physiological role of inflammation in tissue repair and host defense.
- Identify how dysregulated inflammation contributes to the pathogenesis of various diseases.
- Describe the key inflammatory mediators, including cytokines, chemokines, and prostaglandins. Illustrate the signaling pathways involved in the initiation and resolution of inflammation.
- Recognize the roles of different immune cells (e.g., neutrophils, macrophages, lymphocytes) in the inflammatory response.
- Discuss the pharmacological aspects of steroidal and non-steroidal anti-inflammatory drugs. Discuss the clinical aspects of inflammation.

Learning Objectives

NORMAL STRUCTURE			
EMBRYOLOGY & POSTNATAL DEVELOPMENT			
COD E	SPECIFIC LEARNING OUTCOMES	TOTAL HOURS = 03	
		DISCIPLIN E	TOPIC
IN-A-001	Development of the integumentary system	Embryology	Development of Integumentary System
MICROSCOPIC STRUCTURE			
COD E	SPECIFIC LEARNING OBJECTIVES	TOTAL HOURS = 02	
		DISCIPLIN E	TOPIC
IN-A-002	Discuss the histology of the integumentary system	Histology	Integumentary system

MEDICAL BIOCHEMISTRY			
CODE	SPECIFIC LEARNING OBJECTIVES	TOTAL HOURS = 01	
		DISCIPLINE	TOPIC
IN-B-001	Explain the biochemical and therapeutic roles of eicosanoids (prostaglandins, leukotrienes, thromboxane, and prostacyclin)	Medical Biochemistry	Eicosanoids
PATHOPHYSIOLOGY AND PHARMACOTHERAPEUTICS			
CODE	SPECIFIC LEARNING OBJECTIVES	TOTAL HOURS = 06+12	
		DISCIPLINE	TOPIC
IN-Ph-001	Enumerate prostaglandin analogues. Discuss the clinical use and adverse effects of prostaglandin analogues.	Pharmacology & Therapeutics	Prostaglandin analogues
IN-Ph-002	Classify anti-inflammatory drugs. Discuss the mechanism of action, clinical usage, and adverse effects of steroidal anti-inflammatory drugs.		Steroidal anti- Inflammatory drugs
IN-Ph-003	Discuss the mechanism of action, pharmacological effects, clinical usage, and adverse effects of non-steroidal anti-inflammatory drugs.		Non-steroidal anti-inflammatory drugs (NSAIDs)

IN-Ph-004	Differentiate between selective and non-selective cyclooxygenase (COX) inhibitors. Differentiate between Aspirin and Paracetamol.		COX inhibitors
IN-Pa-001	Define acute inflammation Enlist and describe the etiology of acute inflammation. Define necrosis and necroptosis in relation to inflammation	Pathology	Acute inflammation
IN-Pa-002	Discuss the role of vascular and cellular events in acute inflammation Differentiate between transudate and exudate. Classify chemical mediators Describe the different pathways of synthesis of chemical mediators and their role in clinical practice Discuss the role of different chemical mediators in acute inflammation Describe the different morphological patterns and outcomes of acute inflammation	Pathology	Process of acute inflammation
	Define chronic inflammation and its types Discuss the role of chronic inflammatory cells and mediators in chronic inflammation	Pathology	

IN-Pa-003	Discuss the causes, pathophysiology, and morphology of granulomatous inflammation Classify mycobacteria Explain the pathogenesis and lab diagnosis of <i>Mycobacterium tuberculosis</i> Discuss the Runyon classification of atypical mycobacteria Discuss the pathogenesis and lab diagnosis of leprosy	Microbiology	Chronic Inflammation
IN-Pa-004	Discuss the concept of Cell Proliferation, the Cell Cycle, and Stem Cells in tissue repair Discuss the role of Growth Factors, receptors, and signal Transduction and extracellular matrix are involved in Regeneration and Repair	Pathology	Cell Repair

	Explain the types of healing, along with the steps in scar formation Identify the factors that influence tissue repair Discuss the complications of wound healing.		
DISEASE PREVENTION AND IMPACT			
CODE	COMMUNITY MEDICINE & BEHAVIORAL SCIENCE	TOTAL HOURS = 03+01	
	SPECIFIC LEARNING OBJECTIVES	DISCIPLINE	TOPIC
IN-CM-001	Discuss the mode of transmission of communicable diseases Explain the general concept of the prevention of communicable diseases Discuss the primary, secondary, and tertiary prevention of acute and chronic diseases Discuss the role of immunoprophylaxis and chemoprophylaxis in the prevention of communicable diseases	Community Medicine and Public Health	Communicable Diseases

IN-BhS-001	Understand the correlation between psychological stress and inflammation	Behavioral Sciences	Role of Psychological stress in Inflammation
AGING			
CODE	SPECIFIC LEARNING OBJECTIVES	TOTAL HOURS = 01	
		DISCIPLINE	TOPIC
IN-Ag-001	Explain inflammatory changes and the role of leukotriene and cytokines in old age	Biochemistry	Inflammatory changes & signaling molecules in Aging

HISTOLOGY			
CODE	SPECIFIC LEARNING OBJECTIVES	TOTAL HOURS = 02	
		DISCIPLINE	TOPIC
IN-A-003	Draw and identify the microscopic structure of the integumentary system	Histology	Integumentary System
PATHOLOGY			
CODE	SPECIFIC LEARNING OBJECTIVES	TOTAL HOURS = 01	
		DISCIPLINE	TOPIC
	Identify the pathological features of acute inflammation		

IN-Pa-005	Identify the pathological features of chronic inflammation & granulomatous inflammation	Pathology	Inflammation
PHARMACOLOGY			
CODE	SPECIFIC LEARNING OBJECTIVES	TOTAL HOURS = 01	
		DISCIPLINE	TOPIC
IN-Ph-005	Label the diagram/flow chart showing the site of drug actions (corticosteroids, leukotriene, and cyclooxygenase inhibitors) Identify the drug group. List its adverse effects.	Pharmacology	Prostaglandin analogues and anti-inflammatory drugs

Operational Definition

Traditional & Innovative Teaching Methodologies

Sr.	Pedagogical Methodologies	Description
1.	Lectures	Traditional method where an instructor presents information to a large group of students (large group teaching). This approach focuses on delivering theoretical knowledge and foundational concepts. It is very effective for introducing new topics.
2.	Tutorial	Tutorials involve small group discussion (SGD) where students receive focused instruction and guidance on specific topics.
3	Demonstrations	Demonstrations are practical displays of techniques or procedures, often used to illustrate complex concepts or practices, particularly useful in dental education for showing clinical skills.

4	Practicals	Hands-on sessions where students apply theoretical knowledge to real-world tasks. This might include lab work, clinical procedures, or simulations. Practical tasks are crucial for developing technical skills and understanding the application of concepts in practice.
5.	Student Presentations	Students prepare and deliver presentations on assigned topics. This method enhances communication skills and encourages students to explore the topic in-depth. It also provides opportunities for peer feedback and discussion.
6.	Assignment	Tasks given to students to complete outside of class. Assignments can include research papers, case studies, or practical reports. They are designed to reinforce learning, assess understanding, and develop critical thinking and problem-solving skills.
7.	Self-directed Learning	Students take initiative and responsibility for their own learning process. Students are encouraged to seek resources, set goals, and evaluate their progress. This is a learner-centered approach where students take the initiative to plan, execute, and assess their own learning activities. This method promotes independence, critical thinking, and lifelong learning skills.
8.	Flipped Classroom	In this model, students first engage with learning materials at home (e.g., through videos, readings) and then use class time for interactive activities, discussions, or problem-solving exercises. This approach aims to maximize in-class engagement and application of knowledge.
9.	Peer-Assisted Learning (PAL)	A collaborative learning approach where students help each other understand course material. PAL involves structured peer tutoring, study groups, or collaborative tasks. It enhances comprehension through teaching, reinforces learning, and builds teamwork skills.
10.	Team-based Learning (TBL)	A structured form of small group learning where students work in teams on application-based tasks and problems. Teams are responsible for achieving learning objectives through collaborative efforts, promoting accountability, and a deeper understanding of the material.
11.	Problem-based Learning (PBL)	Students work on complex, real-world problems without predefined solutions. They research, discuss, and apply knowledge to develop solutions. PBL fosters critical thinking, problem-solving skills, and the ability to integrate knowledge from various disciplines.
12.	Academic Portfolios	A collection of students' work that showcases learning achievements, reflections, and progress over time. Portfolios include assignments, projects, and self-assessments. They provide a comprehensive view of student development, highlight strengths and areas for improvement, and support reflective learning (experiential learning)

13.	Seminar	A seminar is an academic or professional setting where individuals discuss, present, and explore specific topics, often with expert guidance
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Infrastructure Resources

Sr .	Infrastructure Resources	Description
1.	Lecture Hall	Each year has a dedicated lecture hall, totaling five lecture halls for the five professional years. These halls are equipped with modern audiovisual aids to support effective teaching and learning.
2.	Tutorial Room	The college's tutorial rooms, each with a capacity of 30, are specifically designed to support small group discussions and interactive sessions. These rooms facilitate personalized instruction, enabling more engaged and effective learning through direct interaction between students and instructors.
3.	Lab	The college is equipped with state-of-the-art laboratories for practical and clinical work. Each lab is designed to support various disciplines and to facilitate hands-on learning.
4.	The library on campus	A huge library occupies a full floor and has 260 seats, including study carrels and group-discussion tables. Latest reference books of Basic and Clinical Sciences, along with national & international journals, are available in the library.
5.	Digital Library	The digital library offers access to a vast collection of e-books, online journals, research databases, and other digital resources. It supports remote access and provides tools for academic research and learning.
6.	Learning Management System (LMS)	The LMS is a comprehensive online platform that supports course management, content delivery, student assessment, and communication. It provides tools for tracking progress, managing assignments, and facilitating ongoing academic activities.
6.	Phantom Labs	Specialized Phantom Labs are available for advanced simulation and practice in dental procedures. These labs provide high-fidelity models and simulators that help students refine their clinical skills in a controlled environment.
7.	Mess & Cafeteria	The College has its own on-campus Mess which caters to 600 students. All food items including dairy, meat, and vegetables, are sourced organically and bought in at the time of cooking, in order to ensure that students get freshly cooked meals at all times Students form the Mess committee, which decides the mess menu in consultation with other students. The Mess offers fresh food to all

		residents three times a day. However, day scholars are also welcome to use the Mess facility at a reasonable cost. Two 50- inch LCD screens provide students with an opportunity to get entertained during their meal times.
8.	Gymnasium & Sports	We recognize sports as a pivotal key to shaping and maintaining students' personalities and good health. The College has indoor and outdoor sports facilities to help enhance cognition and the capacity to learn. There is a proper sports section for various games like basketball, football, volleyball, and cricket. The gym itself is fully equipped with modern machinery, both for students and faculty.
9.	IT Lab	The IT Lab is equipped with modern computers and software available for students who need access for academic purposes.
10	Auditorium	The college has a spacious auditorium equipped with advanced audio-visual facilities. It is used for large-scale lectures, guest presentations, and academic conferences, providing a venue for students to engage with experts and participate in important educational events.
11	Examination Halls	The college provides dedicated examination halls that are designed to accommodate a large number of students comfortably. These halls are equipped with necessary facilities to ensure a smooth and secure examination process, including proper seating arrangements, monitoring systems, and accessibility features.

Assessment Policy

Introduction

This policy outlines the guidelines for internal assessment of students at Avicenna Medical and Dental College. Internal assessment plays a crucial role in evaluating a student's progress, understanding their strengths and weaknesses, and providing timely feedback. This policy aims to ensure fairness, consistency, and transparency in the internal assessment process.

Internal Assessment Components

The internal assessment for each course will be comprised of the following components:

1. Attendance

- Attendance will be recorded regularly and will contribute to the overall internal assessment score.

- Students are expected to maintain a minimum attendance of 75% to be eligible for internal assessment marks.

2. Continuous Assessment

- Continuous assessment will be based on regular assignments, quizzes, presentations, and other activities conducted throughout the semester.
- These assessments will evaluate students' understanding of the course material, their critical thinking skills, and their ability to apply knowledge to real-world scenarios.

3. Grand Test and Module Exams

- Grand tests and module exams will be conducted to assess students' comprehensive understanding of the course content.
- These exams will be designed to evaluate both theoretical knowledge and practical skills.

4. Attitude and Behavior

- Students' attitude towards learning, participation in class activities, and adherence to college rules and regulations will be assessed.
- This component will evaluate students' professionalism, teamwork skills, and ethical conduct.

5. Logbook and Portfolio

- Students will be required to maintain a logbook and portfolio to document their learning journey.
- The logbook will include reflections on lectures, tutorials, and practical sessions.
- The portfolio will showcase students' best work, including assignments, projects, and research papers.

Assessment Criteria and Weighting

The following table outlines the weighting of each component in the internal assessment:

Component	Marks	Percentage
Attendance	6	2%
Continuous Assessment	12	4%

Grand Test and Module Exams	30	10%
Attitude and Behavior	10	3%
Logbook and Portfolio	2	1%
Total	60	20%

Assessment Procedures

- **Faculty Responsibility:** Faculty members will be responsible for designing and administering the internal assessments in accordance with the course syllabus and this policy.
- **Marking and Grading:** Faculty members will mark and grade the assessments using a transparent and consistent marking scheme. Candidates shall be required to score at least 50% marks in the internal assessment in each subject to become eligible for admission to professional examinations.
- **Feedback:** Faculty members will provide timely and constructive feedback to students on their performance.
- **Record-Keeping:** Faculty members will maintain accurate records of all internal assessments, including marks and feedback.
- **Moderation:** Internal assessments will be moderated by the course coordinator or the head of the department to ensure fairness and consistency.

Appeal Process

Students who have concerns about their internal assessment marks may appeal to the concerned faculty member or the head of the department. The appeal process will be handled promptly and fairly.

The internal assessment policy is designed to promote student learning, assess their progress, and provide a fair and transparent evaluation system. Faculty members and students are expected to adhere to this policy to ensure the integrity of the internal assessment process.

Attendance Requirement & Internal Assessment Criteria

The institution follows the regulations for examinations of the UHS in letter and spirit. The students require **75% attendance** in all academic sessions and **50% passing marks** with internal assessments and send-up examinations to be eligible for the UHS Professional Examinations.

Assessment Guidelines

Assessment in medical & dental education is a critical component designed to ensure that medical & dental students acquire the necessary knowledge, skills, and competencies required for effective medical & dental practice.

Assessment drives learning! – George E. Millar

You will encounter a variety of assessment methods, each serving a specific purpose.

- Written examinations, including multiple-choice and essay questions, will test your grasp of theoretical concepts and subject matter.
- Practical assessments will require you to demonstrate your clinical skills and ability to apply knowledge in real-world scenarios.
- Clinical exams will evaluate your communication skills and reasoning abilities through case discussions and problem-solving exercises.
- Clinical skills and workplace-based assessments will observe your hands-on proficiency and patient management capabilities.

At Avicenna Medical & Dental College, internal assessments are systematically conducted throughout each academic year of the MBBS program, as per the guidelines established by the University of Health Sciences (UHS). These assessments, overseen by the Assessment Cell, adhere to either the Annual Subject-Based System or the Integrated/Modular System, depending on the curriculum structure.

Notably, beginning with the 2024-25 academic year, the weightage of internal assessments will be increased from 10% to 20%. The UHS administers professional examinations independently, organizing them at designated neutral sites and appointing external examiners to ensure objectivity and fairness.

Internal Assessment Weightage	20%	100%
External Assessment Weightage	80%	

MBBS YEAR-1						
SUBJECT	THEORY		PRACTICAL			TOTAL
Block-6 Modules (NEUSCIENCE-1 & INFALMMATION)	Part 1 MCQs (140)	140 marks	Practical/Clinical examination	011 OSPE 02 OSCE 03 OSVE	Marks 88 10 42	350
	Internal Assessment 10%	35 Marks	Internal Assessment 10%	35 Marks		
	Total	175	Total	175		

INTERNAL ASSESSMENT

It shall constitute 20% of the total assessment at the end of the academic year.

	Scoring Parameter	Weightage (Percentage)
Theory 10 %	Attendance	75% attendance -1 % >85% attendance -2 %
	Block Exam	5 %
	Continuous assessment	3 %
Practical 10 %	Attendance	75% attendance -1 % >85% attendance -2 %
	Block Exam (OSCE / OSPE / OSVE / Short case)	5 %
	Portfolio-clinical logbooks (CFRC / PERLs / Clinical Clerkship)	3 %

Assessment Schedule:

Avicenna Medical College

2nd Year MBBS – Exam Schedule – 2026/27

Week #	Date	Exam
3	20/4/26 to 24/4/26	Tutorial Test
4	29/4/26	Integrated Formative Assessment – 01
5	4/5/26 to 8/5/26	Tutorial Test
6	11/5/26 to 15/5/26	Tutorial Test
7	21/5/26	Module – 06 (Theory + OSPE/OSVE)
9	8/6/26 to 12/6/26	Tutorial Test
10	17/6/26	Integrated Formative Assessment – 02
11	24/6/26	Allied Subjects Integrated Formative Assessment – 01
12	2/7/26	Module – 07 (Theory + OSPE/OSVE)
13	6/7/26	Block – IV (Theory)
13	7/7/26	Block – IV (OSPE / OSVE)
15	17/8/26 to 21/8/26	Tutorial Test
16	24/8/26 to 28/8/26	Tutorial Test
17	31/8/26 to 4/9/26	Tutorial Test
18	9/9/26	Integrated Formative Assessment – 03
20	23/9/26	Integrated Formative Assessment – 04
21	30/09/26	Module – 08 (Theory + OSPE/OSVE)
23	12/10/26 to 16/10/26	Tutorial Test
24	21/10/26	Integrated Formative Assessment – 05
25	28/10/26	Allied Subjects Integrated Formative Assessment – 02
26	2/11/26 to 6/11/26	Tutorial Test
27	11/11/26	Module – 09 (Theory + OSPE/OSVE)
28	16/11/26	Block – V (Theory)
28	17/11/26	Block – V (OSPE / OSVE)
30	30/11/26 to 4/12/26	Tutorial Test
31	7/12/26 to 11/12/26	Tutorial Test
32	16/12/26	Integrated Formative Assessment – 06
33	28/12/26 to 1/1/27	Tutorial Test
34	6/1/27	Integrated Formative Assessment – 07
35	13/1/27	Module – 10 (Theory + OSPE/OSVE)
35	18/1/27	Allied Subjects Integrated Formative Assessment – 03
36	21/1/27	Module – 11 (Theory + OSPE/OSVE)
36	25/1/27	Block – VI (Theory)
36	26/1/27	Block – VI (OSPE / OSVE)

Table of Specification

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MBBS 2nd Professional

Rectangular Snip

Block-6

Theme	Subject	Written Exam		Oral/Practical/Clinical Exam			
		MCQ (1 mark)	Marks	OSPE (8 marks each observed)	OSCE (5 marks each observed)	OSVE (14 marks each observed)	Marks
Normal Structure	Anatomy applied/clinical	39	39	03	-	01	38
Normal Function	Physiology applied/clinical	47	47	04	-	01	46
	Biochemistry applied/clinical	22	22	01	-	01	22
Disease Burden & Prevention	Community Medicine & Public Health	04	04	-	-	-	-
	Behavioral Sciences	03	03	-	-	-	-
Pathophysiology & <u>pharmacotherapeutics</u>	Pathology	17	17	02	-	-	16
	Pharmacology	08	08	01	-	-	08
CFRC	CF-2	-	-	-	01	-	05
PERLs	PERLs-2	-	-	-	01	-	05
Total		140	140	11 stations x 08 = 88	02 stations x 05 = 10	03 stations x 14=42	140

Recommended Books & Reading Resources

Anatomy

Snell's Clinical Anatomy, 10th ed.

Langman's Medical Embryology 12th ed

Medical Histology by Laiq Hussain Siddiqui, 8th edition.

General Anatomy by Laiq Hussain Siddiqui, 6th edition.

Biochemistry

Harpers Illustrated Biochemistry (latest edition). Rodwell. V.W. McGraw-Hill publishers.

Lippincott Illustrated Review (latest edition). Kluwer. W.

Essentials of Medical Biochemistry Vol 1 and 2 by Mushtaq Ahmed.

Pathology

Vinay Kumar, Abul K. Abbas, Nelson Fausto Robbins, and Cotran, Pathologic basis of disease. WB Saunders.

Robbins and Cotran Pathological Basis of Disease. Kumar, V., Abbas, A., and Aster, J. Latest Edition

Richard Mitchell, Vinay Kumar, Abul K. Abbas, Nelson Fausto Robbins, and Cotran, Pocket Companion to Pathologic basis of diseases, Saunders Harcourt.

Walter and Israel. General Pathology. Churchill Livingstone.

Robbins & Kumar, Medical Microbiology and Immunology, Levinson.

General Medicine

Principles and Practice of Medicine by Davidson (latest edition)

Clinical Medicine by Parveen J Kumar & Michael Clark

Oxford Handbook of Medicine

Macleod's Clinical Examination book

Medicine and Toxicology by C.K. Parikh

Hutchison's Clinical Methods by Michael Swash. 21st edition

Pharmacology And Therapeutics

Katzung and Trevor's Pharmacology: Examination and Board Review- 15th Edition

Basic and Clinical Pharmacology by Bertram G Katzung (case scenarios only) - 16th Edition-

Current Medical Diagnosis and Treatment- reference book –Edition-2024

Basic and Clinical Pharmacology by Bertram G Katzung (case scenarios only) - 15th Edition

Basic and Clinical Pharmacology by Katzung, McGraw-Hill. 16th Edition.

Pharmacology by Champe and Harvey, Lippincott Williams & Wilkins, 8th Edition.

Katzung Basic and Clinical Pharmacology, Lippincott Illustrated Reviews.

Clinical Pathology Interpretations by A. H. Nagi

Behavioural Sciences

Handbook of Behavioural Sciences by Prof. Mowadat H.Rana, 3rd Edition

Medical and Psychosocial Aspects of Chronic Illness and Disability, 6th edition by Donna R.Falvo and Beverly E. Holland,

Integrating behavioral sciences in healthcare, Asma Humayun,2003, 1st edition

Community medicine

Parks Textbook of Preventive and Social Medicine. K. Park

Public Health and Community Medicine by Ilyas Ansari

MSDS manual of the Government of Punjab

Textbook of Community Medicine by Park J E. Latest Edition

Surgery

Bailey & Love's Short Practice of Surgery (latest edition)

Browse's Introduction to the Symptoms & Signs of Surgical Disease, 4th Edition

Bailey & Love Short Practice of Surgery, Clinical Surgery Pearls by Dayananda Babu RACS for Surgical Audits.

Patient Safety

Patient Safety Curriculum Guide: Multi-Professional Guide

Microbiology

Levinson's review of Microbiology

Medical Microbiology and Immunology by Levinson and Jawetz,

Pediatrics Medicine

Nelson Textbook of Pediatrics

Basis of Pediatrics by Pervez Akbar Khan

Gynecology

Gynecology by Ten Teachers

Infection Control

National Guidelines for Infection Prevention and Control, National Institute of Health, Pakistan

Biosafety

Biosafety in Microbiological and Biomedical Laboratories, 6th Edition (CDC, USA)

WHO Laboratory Biosafety Manual, Fourth Edition, And Associated Monographs

WHO safe management of wastes from healthcare facilities chapter 7 -8 page 77-99, 105-125)

Family medicine

Oxford Handbook of General Practice, 5th Edition

Orthopedics

Apley and Solomon's System of Orthopaedics and Trauma by Ashley Blom (Editor)

Rheumatology

Davidson's Principles and Practice of Medicine

Clinical Medicine by Parveen J Kumar & Michael Clark

Hutchison's Clinical Methods by Michael Swash

Radiology

Aids to Radiological Differential Diagnosis by Chapman S. and Nakielny R. 4th edition.

Elsevier Science Limited; 2003.

Forensic Medicine

Knight's Forensic Pathology by Barnard Knight, 3rd edition

G. Principles and Practice of Forensic Medicine by Prof. NasibR. Awan, 2nd edition

Forensic DNA Typing – 2nd Edition, Author: John M. Butler

Parikh's Textbook of Medical Jurisprudence, Forensic Medicine and Toxicology by C.K. Parikh
6th Ed., CBS Publisher.

Gun Shot Wounds 2nd edition by V.J.Deimaio

Knight B. Simpson's Forensic Medicine.

Knight and Pekka. Principles of Forensic Medicine

Forensic Pathology

Forensic pathology 2nd edition by V.J.Deimaio CRC press Boca Raton, London, New York
Washington DC

Toxicology

Principles of Clinical Toxicology, 3rd edition, Thomas. Gossel CRC press Taylor and Francis
group

Forensic Sciences

Fundamentals of Forensic Science- 3rd Edition: Author: Max M Houck, Jay A. Siegel

Textbook of Forensic Medicine and Toxicology Principles and Practice, 5th edition by Krishan Vig

Biomedical ethics

Principles of Biomedical Ethics, 8th edition by Tom. L. Beauchamp, James F. Childress.

Evidence-Based Medicine

Databases for the latest articles/manuscripts

Clinical Practice Guidelines- local and international - (within last 3 years)

Books (Latest edition-within last 5 years)

Pediatrics

Nelson's Book of Pediatric 22nd edition, Illustrated book of Pediatrics, Pervaiz Akbar textbook
pediatric medicine

Islamiyat

Standard Islamiyat (compulsory) for B.A, BSc, MA, MSc, and MBBS by Prof. M. Sharif Islahi.

Ilmi Islamiyat(compulsory) for BA, BSc & equivalent.