

AVICENNA MEDICAL & DENTAL COLLEGE



# STUDY GUIDE

## 2025

### Foundation I

#### BLOCK 1 - MODULE 1



**Program:** BDS  
**Year:** 1<sup>st</sup> Professional Year  
**Batch No:** D-24  
**Session:** 2024-2025

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## List of Abbreviations

Abbreviations	Subjects
UHS	University of Health Sciences
BDS	Bachelor of Dental Surgery
PRISME	Professionalism, Research, Informatics, Social Responsibility and Accountability, Management & Entrepreneurship, Ethics Evidence Based Dentistry
WHO	World Health Organization
A	Anatomy
AI	Artificial Intelligence
B	Biochemistry
GDC	General Dental Council
Ph	Pharmacology
P	Physiology
Pa	Pathology
OB	Oral Biology
OP	Oral Pathology
CD	Community Dentistry
OD	Operative Dentistry
AMIA	American Medical Informatics Association
AMEE	Association of Medical Education in Europe
BhS	Behavioral Sciences
CNS	Central Nervous System
GIT	Gastrointestinal Tract
CVS	Cardiovascular System
TMJ	Temporomandibular Joint
CBC	Complete Blood Count
ESR	Erythrocyte Sedimentation Rate
PCR	Polymerase Chain Reaction
ED50	Median Effective Dose
LD50	Median Lethal Dose
TD50	Median Toxic Dose

AUC	Area Under Curve
MCV	Mean Corpuscular Volume
MCH	Mean Corpuscular Hemoglobin
MCHC	Mean Corpuscular Hemoglobin Concentration
Na	Sodium
K	Potassium
DNA	Deoxyribonucleic Acid
TORCH	Toxoplasmosis, Other, Rubella, Cytomegalovirus, Herpes simplex
CF	Craniofacial
CFII	Craniofacial II
Car	Cariology
DEJ	Dentin enamel Junction
HERS	Hertwig's Epithelial Root Sheath
FDI	Fédération Dentaire Internationale
GAGs	Glycosaminoglycans
EFA	Essential Fatty Acids
Hb	Hemoglobin
HbA1c	Glycated Hemoglobin
ATP	Adenosine Triphosphate
RBC	Red Blood Cell
NMJ	Neuromuscular Junction
ID50	Median Infectious Dose
RCTs	Randomized Control Trials

# **CURRICULUM FRAMEWORK**

## **BDS Integrated Curriculum 2K25**

*Version 01*

### **YEAR-1 MODULES**

#### **Block-1**

1. Foundation (Cell)
2. Craniofacial-I
3. Cariology-I

#### **Block-2**

4. Craniofacial-II
5. Neurosciences
6. Alveo-Cemental Complex

#### **Block-3**

7. Blood & Cardiovascular System
8. Gastrointestinal Tract
9. Occlusion-I

#### **PRISME**

Professionalism, Research, Informatics (Dental), Social Responsibility, Management/Entrepreneurship and Evidence Based Dentistry )

**Islamiyat/Civics & Pakistan Studies**

# Introduction to the Study Guide

Welcome to the Avicenna Dental College Study Guide!

This guide serves as your essential resource for navigating the complexities of your dental education at Avicenna 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:

- o 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:

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

### 3. Subject Insight:

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

### 4. Curriculum Framework:

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

### 5. Assessment Preparation:

- o 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:

- o 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:

- o 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.

## Introduction to Module

- The dental students need to master competencies that align their knowledge and skills, and prepare them for the dynamics of their profession.
- The foundation module lays the groundwork on which the integrated dental curriculum stands strong to uphold the sound practices of the dental profession.
- The foundation module has been designed to introduce the dental students to the concepts of dentistry and explain the molecular, genetic, anatomical, physiological and pathological mechanisms essential for body functions.
- Cell is the structural and functional unit of life and this module.
- Using a constructivist approach this module gives an orientation to the dental students on which they are prepared for the upcoming modules.

Block 1			Block 2			Block 3			Spirals			
Module 1	Module 2	Module 3	Modue 4	Module 5	Module 6	Module 7	Module 8	Module 9	Module A	Module B	Module C	Mod ule D
Foundat ion (Cell)	Craniofa cial I	Cariolo gy I	Craniof acial II	Neurosci ences I	Alveoce mental complex	Blood & Cardiov ascular System	Gastroin testinal Tract	Occlusi on I	Islamiat	Pakistan Studies	PRISME	Holy Qura n
190 Hours	95 Hours	72 Hours	111 Hours	154 Hours	48 Hours	153 Hours	115 Hours	34 Hours	30 Hours	30 Hours	60 Hours	54 Hour s
6 Weeks	3 Weeks	3 Weeks	4 Weeks	6 Weeks	2 Weeks	5 Weeks	4 Weeks	2 Weeks	Contact sessions held across the whole academic year			
12 Weeks			12 Weeks			12 Weeks						
36 Weeks												

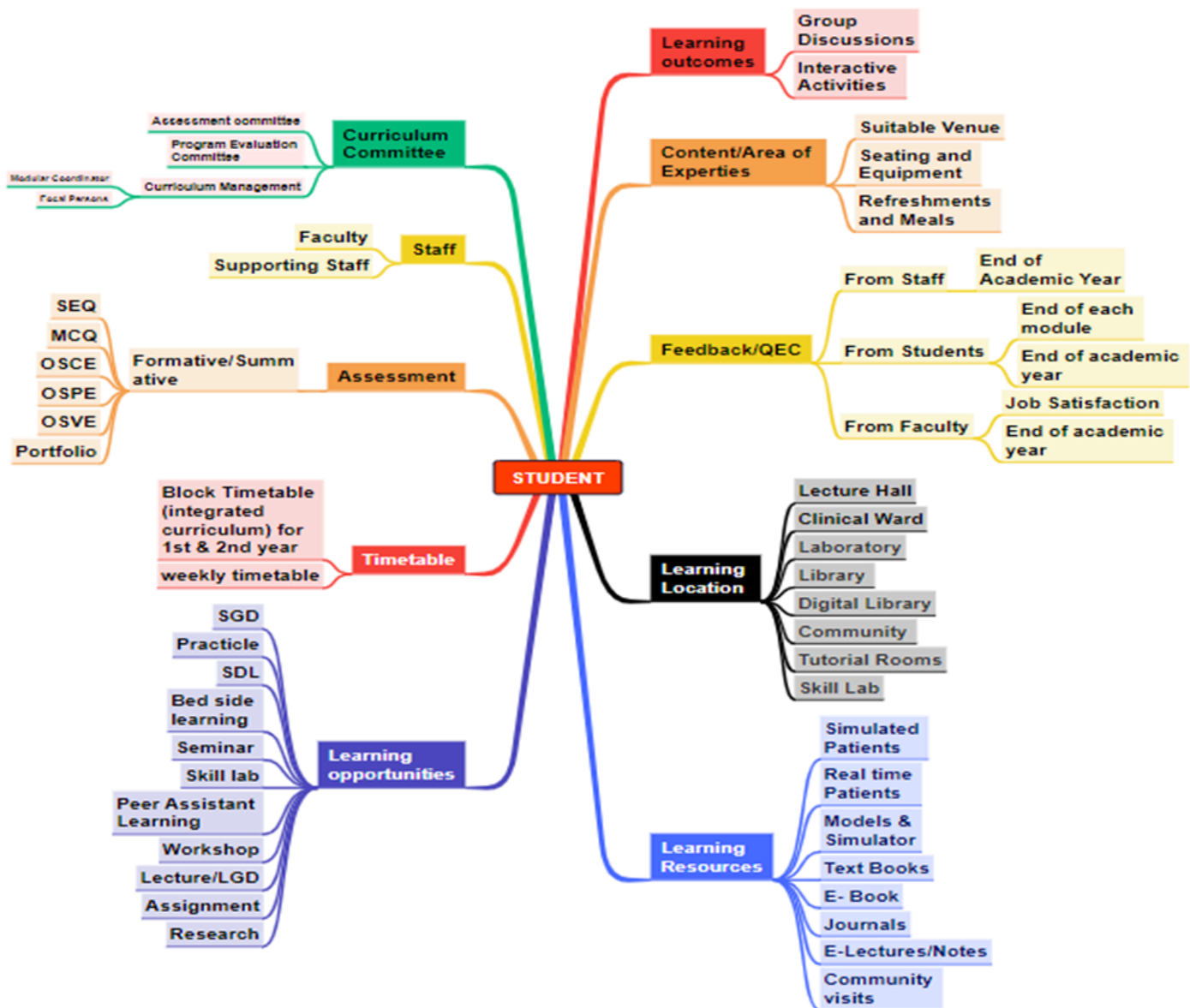
## **BLOCK 1 – MODULE 1**

<b>Module Coordinator</b>		
<b>Anatomy – Prof. Dr. Nahid</b>		
<b>Module Committee Members</b>		
<b>1</b>	<b>Anatomy</b>	<b>Dr. Kanwal Khalid</b>
<b>2</b>	<b>Physiology</b>	<b>Dr. Syedda Amina Rizvi</b>
<b>3</b>	<b>Biochemistry</b>	<b>Dr. Sadia Khalil</b>
<b>4</b>	<b>Oral Biology &amp; Tooth Morphology</b>	<b>Dr. Sana Chuadhary</b>
<b>5</b>	<b>General Pathology &amp; Microbiology</b>	<b>Dr. Ishrat</b>
<b>6</b>	<b>Pharmacology</b>	<b>Dr. Rubina Iqbal</b>
<b>7</b>	<b>Community Dentistry</b>	<b>Dr. Momin Ali</b>



# 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 of the systems for the undergraduate programs offered at four colleges at campus are as follows:



# Timetable

Module I Timetable - WEEK ONE										
BDS 1st Year - D24										
Date	Day	8:00-9:00	9:00-10:00	10:00-10:30	10:30-11:30	11:30-12:30	12:30-1:30	1:30-2:30	2:30-3:30	3:30-4:30
14th April 2025	Monday	<u>ORIENTATION DAY</u> Joining of Students Venue: Admin Block	<u>ORIENTATION DAY</u> Issuance of books Venue: College Ground		<u>ORIENTATION DAY</u> Fee Clearance Venue: Account Office		<u>ORIENTATION DAY</u> Medical Check-up Venue: Avicenna Hospital			
Date	Day	8:00-8:30	8:30-9:00	9:00-9:30	9:30-10:00	10:00-10:30	10:30-11:00	11:00-1:00	1:00-2:00	2:00-4:30
15th April 2025	Tuesday	<u>ORIENTATION DAY</u> Understanding the Health Profession & Role of Health Facilitator: Dr Javaid Rab Venue: Dental Lecture Hall 1	<u>ORIENTATION DAY</u> Guide to Integrated Curriculum of BDS Facilitator: Dr Saba Venue: Dental Lecture Hall 1	<u>ORIENTATION DAY</u> Importance & Types of Assessment Facilitator: Dr Ijlal Zehra Venue: Dental Lecture Hall 1	<u>ORIENTATION DAY</u> Orientation & Welcome by the Principal Facilitator: Dr Sohail Abbas Venue: Dental Lecture Hall 1	<u>Break</u>	<u>ORIENTATION DAY</u> Exploring the Academic Environment Facilitator: Dr Gulfreeen Venue: Dental Lecture Hall 1	<u>ORIENTATION DAY</u> Meet & Greet with Faculty Prof. Dr. Razia (11.00 to 11:30)  Prof. Dr. Sadia Amir (11.30 to 12.00) Prof. Dr. Sadia Zafar (12.00 to 12.30) Prof. Dr. Raheela (12.30 to 1.00) Venue: Dental Lecture Hall 1	<u>ORIENTATION DAY</u> Orientation & Welcome by the Chairman Facilitator: Mr Abdul Waheed Sheikh Venue: Dental Lecture Hall 1	<u>ORIENTATION DAY</u> Welcome by IT, Student Affairs Facilitator: Adeel /Suleiman Venue: Dental Lecture Hall 1
Date	Day	8:00-9:00	9:00-10:00	10:00-11:00	11:00-11:30	11:30-12:30	12:30-1:30	1:30-2:30	2:30-3:30	3:30-4:30
16th April 2025	Wednesday	Oral Biologv (Lecture) FOB 001 Introduction to Oral Tissues Prof. Dr. Sana Chaudrv Dental Lecture Hall - 1	Biochemistrv (Lecture) FB-007 Cell Membrane Prof. Dr. Sadia Amir Dental Lecture Hall - 1	Phvsiologv (Lecture) FP-001 Homeostasis Prof. Dr. Sadia Zafar Dental Lecture Hall - 1	<u>Break</u>	Biochemistrv (Lecture) FB-001 St. & Class of CHO Dr. Yusra Dental Lecture Hall - 1	Anatomv (Lecture) F-A-001 Introduction to Anatomy Dr. Kanwal Dental Lecture Hall - 1	Pathologv (Tutorial) FPa 001 Pathology Dr. Nadia Dental Lecture Hall - 1	Oral Biologv (Tutorial) FB 001 Introduction to Oral Tissues Dr. Talal / Asiad Dental Lecture Hall - 1	SDL
17th April 2025	Thursday	Biochemistry (Lecture) FB-008 Receptors Prof. Dr. Sadia Amir Dental Lecture Hall - 1	Oral Biology (Lecture) FB 001 Introduction to Oral Tissues Prof. Dr. Sana Chaudrv Oral Biology Lab	Anatomy (lecture) FA-006 Cell Prof. Dr. Nahid Dental Lecture Hall - 1	<u>Break</u>	Biochemistry (Lecture) FB 001 Isomerism in CHO Dr. Yusra Dental Lecture Hall - 1	Physiology (Lecture) FP-002 Control of Internal Environment Dr. Nida Waseem Dental Lecture Hall - 1	Community Dentistry (Lecture) F CD 001 Dr.Lubna Yousaf Dental Lecture Hall - 1	Pathology (Tutorial) FPa 001 Pathology Demonstrator Dental Lecture Hall - 1	SDL
Date	Day	8:00-9:00	9:00-10:00	10:00-11:00	11:00-12:00	12:00-1:00	1:00-2:00	2:00-3:30		3:30-4:30
18th April 2025	Friday	Oral Biology (Tutorial) FB 001 Introduction to Oral Tissues Dr. Asjad/ Talal Oral Biology Lab	Pathology (Lecture) FPa 002 Cell Injury Dr. Nadia Dental Lecture Hall - 1	Anatomy (Lecture) CF-A-001 Cell division Prof. Dr. Nahid Dental Lecture Hall - 1	Biochemistry (Lecture) FB-008 Signal Transduction Prof. Dr. Sadia Amir Dental Lecture Hall - 1	Pharmacology Practical FPh 014 Introduction to Dr sara Pharmacology Lab	<u>Jummah Break</u>	Pathology (Tutorial) FPa 001 Pathology Demonstrator Dental Lecture Hall - 1		SDL

Module I Timetable - WEEK TWO										
Week - 2 (21st April 2025 to 25th April 2025)										
Date	Day & Time	8:00-9:00	9:00-10:00	10:00 to 11:00	11:00 to 11:30	11:30 to 12:30	12:30 to 1:30	1:30 to 2:30	2:30 to 3:30	3:30 to 4:30
21st April 2025	Monday	Anatomy (Lecture) FA-002 Osteology Dr. Kanwal Dental Lecture Hall - 1	Biochemistry (Lecture) FB-007 Cell Organelles Dr. Yusra Dental Lecture Hall - 1	Oral Biology (Lecture) FOB-006 Introduction & Nomenclature (Tooth Prof. Dr Raheela Yasmin Dental Lecture Hall - 1	Break	Physiology (Lecture) FP-003 Cell and its Organelles and functions Prof. Dr. Sadia Zafar Dental Lecture Hall - 1	Pathology (Lecture) FPa002 Cell Injury Dr. Nadia Dental Lecture Hall - 1	Pharmacology (Tutorial) Ph-001 GeneralPharmacology Dr Fatma Dental Lecture Hall - 1	Anatomy (Tutorial) FA-002 Osteology Dr. Sarwat Dental Lecture Hall - 1	SDL
22nd April 2025	Tuesday	Physiology (Tutorial) FP-001, 002 Dr. Hafsa Afnan Dental Lecture Hall - 1	Anatomy (Lecture) FA-006 Cell Dr. Nahid Dental Lecture Hall - 1	Biochemistry (Lecture) FB-001 Reducing & Non Reducing Sugars Dr. Yusra Dental Lecture Hall - 1	Break	Pharmacology (Lecture) F-PH-001& 002 General Pharmacology & Drues Transpoort Dr Iqra Dental Lecture Hall - 1	Pathology (Lecture) FPa003 Cell Death Dr. Nadia Dental Lecture Hall - 1	Behavioural Sc (Lecture) F-Bhs-001 Bio-psychosocial model Dr Farhat Minhas Dental Lecture Hall - 1	Biochemistry (Tutorial) FB-005 Acid, Bases, pH & HH eq. Dr. Hamza Dental Lecture Hall - 1	SDL
23rd April 2025	Wednesday	Oral Biology (Lecture) FOB-006 Introduction & Nomenclature (Tooth Prof. Dr Raheela Yasmin Dental Lecture Hall - 1	Biochemistry (Lecture) FB-001 Blood Glucose Levels Dr. Yusra Dental Lecture Hall - 1	Physiology (Lecture) FP-003 Cell and its Organelles and functions Dr. Nida Waseem Dental Lecture Hall - 1	Break	Biochemistry (Lecture) FB-005 Buffers - 01 Dr. Sadia Khalil Dental Lecture Hall - 1	Anatomy (Lecture) CF1-A-001 Gametogenesis Dr. Nahid Dental Lecture Hall - 1	Pathology (Tutorial) FPa 002 Necrosis Demonstrator Dental Lecture Hall - 1	Oral Biology (Tutorial) FOB-006 Introduction & Nomenclature (Tooth Dr Faseeh / Dr Anushey Dental Lecture Hall - 1	SDL
24th April 2025	Thursday	Biochemistry (Lecture) FB 001 Glycemic Index Dr. Yusra Dental Lecture Hall - 1	Oral Biology (Lecture) FOB-006 Introduction & Nomenclature (Tooth Prof. Dr Raheela Yasmin Dental Lecture Hall - 1	Anatomy (Practical) FA-007 Epithelium Dr. Sarwat Dental Lecture Hall - 1	Break	Biochemistry (Lecture) FB 005 Buffers - 02 Dr. Sadia Khalil Dental Lecture Hall - 1	Physiology (Lecture) FP-003 Cell and its Organelles and functions Dr. Nida Waseem Dental Lecture Hall - 1	Community Dentistry (Lecture) F CD 001 Dental public health, health amd its dimensions Dr.Lubna Yousaf Dental Lecture Hall - 1	Pathology (Tutorial) FPa003 Cell Death Demonstrator Dental Lecture Hall - 1	SDL
25th April 2025	Day & Time	8:00 to 9:00	9:00 to 10:00	10:00 to 11:00	11:00 to 12:00	12:00 to 1:00	1:00 to 2:00	2:00 to 3:30		3:30 to 4:30
	Friday	Pharmacology (Lecture) FP-H003 FP-H005 Enzyme Induction & Enzyme Inhibition Dr Rubina Dental Lecture Hall - 1	Oral Biology (Tutorial) FOB-006 Introduction & Nomenclature (Tooth Dr Faseeh / Dr Anushey Dental Lecture Hall - 1	Biochemistry (Lecture) FB 003 Class. & Imp. of Lipids Dr. Sadia Khalil Dental Lecture Hall - 1	Anatomy (Lecture) F-A-002 Osteology Dr. Kanwal Dental Lecture Hall - 1	Pharmacology (Practical) FPh 014 Calculation Dr sara Dental Lecture Hall - 1	Jumma Break	Pathology (Tutorial) FPa003 Cell Death Demonstrator Dental Lecture Hall - 1		SDL

# Module I Timetable

WEEK - 3

BDS 1st Year - D2

(28th April 2025 to 2nd May 2025)

Date	Day & Time	8:00-9:00	9:00-10:00	10:00-11:00	11:00-11:30	11:30-12:30	12:30-1:30	1:30-2:30	2:30-3:30	3:30-4:30
28th April 2025	Monday	Anatomy (Lecture) FA-003	Biochemistry (Lecture) FB-002	Oral Biology (Lecture) FOB-006	Break	Physiology (Lecture) FP-003	Pathology (Lecture) FPa005	Pharmacology (Tutorial) FPH-003	Anatomy (Tutorial) FA-003	SDL
		JOINTS	Class. & Imp. of Amino acids & Proteins	Introduction & Nomenclature (Tooth Morphology)		Cell and its Organelles and functions	Apoptosis	Enzyme Induction & Enzyme Inhibition	JOINTS	
		Dr. Kanwal Dental Lecture Hall - 1	Dr. Sadia Khalil Dental Lecture Hall - 1	Prof. Dr Raheela Yasmin Dental Lecture Hall - 1		Prof. Dr. Sadia Zafar Dental Lecture Hall - 1	Dr. Munazza Dental Lecture Hall - 1	Dr Sara / Dr Fatima Dental Lecture Hall - 1	Dr. Sarwat Dental Lecture Hall - 1	
29th April 2025	Tuesday	Physiology (Lecture) FP-003	Anatomy (Lecture) FA-006	Biochemistry (Lecture) FB-002	Break	Pharmacology (Lecture) FP-H004	Pathology (Lecture) FPa006	Behavioural Sciences (Lecture) F-Bhs- 002&3	Biochemistry (Tutorial) FB-006	SDL
		Cell and its Organelles and functions	CELL	Protein Org.01		FP-H007	Intracellular Accumulations	Behavior and Health and integrated model	Def. & Class. Enzymes	
		Dr. Syedda Amina Rizvi Dental Lecture Hall - 1	Prof. Dr. Nahid Dental Lecture Hall - 1	Dr. Sadia Khalil Dental Lecture Hall - 1		Drug excretion & Maintenance dose Dr Rubina Dental Lecture Hall - 1	Dr. Munazza Dental Lecture Hall - 1	Dr Naurose Dental Lecture Hall - 1	Dr. Zahra Dental Lecture Hall - 1	
30th April 2025	Wednesday	Oral Biology (Lecture) FOB-006	Biochemistry (Lecture) FB-002	Physiology (Lecture) FP-003	Break	Biochemistry (Lecture) FB-006	Anatomy (Lecture) CF1-A-002	Pathology (Tutorial) FPa 004	Oral Biology (Lecture) FOB-006	SDL
		Introduction & Nomenclature (Tooth Morphology)	Protein Org.02	Cell and its Organelles and functions		Properties of Enzymes	Gametogenesis	Necrosis	Introduction & Nomenclature (Tooth Morphology)	
		Prof. Dr Raheela Yasmin Dental Lecture Hall - 1	Dr. Sadia Khalil Dental Lecture Hall - 1	Prof. Dr. Shahina Naz Dental Lecture Hall - 1		Prof. Dr. Sadia Amir Dental Lecture Hall - 1	Prof. Dr. Nahid Dental Lecture Hall - 1	Demonstrator Dental Lecture Hall - 1	Dr Faseeh / Dr Anushey Dental Lecture Hall - 1	
1st May 2025	Thursday	Labour Day								SDL
2nd May 2025	Day & Time	8:00-9:00	9:00-10:00	10:00-11:00	11:00-12:00	12:00-1:00	1:00-2:00	2:00-3:30	3:30-4:30	
	Friday	Grand Test Theory Examination Hall - 1		Grand Test Practical Oral Biology Lab	Grand Test Key Discussion Examination Hall - 1	Pharmacology (Practical) FPh 014 Calculation Dr Sara / Dr Fatima Dental Lecture Hall - 1	Jummah Break	Pathology (Tutorial) FPa 004 Necrosis Demonstrator Dental Lecture Hall - 1	SDL	

## Module I Timetable

WEEK- 4

BDS 1st Year - D24

(5th May 2025 to 9th May 2025)

Date	Day & Time	8:00-9:00	9:00-10:00	10:00-11:00	11:00-11:30	11:30-12:30	12:30-1:30	1:30-2:30	2:30-3:30	3:30-4:30
5th May 2025	Monday	Anatomy (Lecture) FA-003 & 004  Joints & cartilage  Dr. Kanwal Dental Lecture Hall - 1	Biochemistry (Lecture) FB-006  Mech. of Enzymes  Prof. Dr. Sadia Amir Dental Lecture Hall - 1	Oral Biology (Lecture) FOB-006  Introduction & Nomenclature (Tooth Morphology)  Prof. Dr Raheela Yasmin Dental Lecture Hall - 1	Break	Physiology (Lecture) FP-003  Cell and its Organelles and functions  Dr. Hafsa Afnan Dental Lecture Hall - 1	Pathology (Lecture) Pa...010  Introduction of bacterioplgy.  Dr. Majid Dental Lecture Hall - 1	Pharmacology (Tutorial) Ph-004  Drug excretion  Dr Sara / Dr Fatima Dental Lecture Hall - 1	Anatomy (Tutorial) FA-003  Joints  Dr. Sarwat Dental Lecture Hall - 1	SDL
6th May 2025	Tuesday	Physiology (Tutorial) FP-003  Cell and its Organelles and functions  Dr. Amina Dental Lecture Hall - 1	Anatomy (Lecture) FA-007  Epithelium  Prof. Dr. Nahid Dental Lecture Hall - 1	Biochemistry (Lecture) FB-006  Factors affecting enzyme activity  Prof. Dr. Sadia Amir Dental Lecture Hall - 1	Break	Pharmacology (Lecture) FP-H008& 006  Order Kinetics & Drug clearance  DR IQRA Dental Lecture Hall - 1	Pathology (Lecture) FPa 008  Steralization  Dr. Munazza Dental Lecture Hall - 1	Behavioural Science (Lecture)  F-Bhs- 004 Behavioral Interventions Dr Farhat Minhas Dental Lecture Hall - 1	Biochemistry (Tutorial) FB-004  Vitamins  C, E & K Dr. Asad Dental Lecture Hall - 1	SDL
7th May 2025	Wednesday	Day Off								
8th May 2025	Thursday	Biochemistry (Lecture) FB-010  Syn. of Heme  Prof. Dr. Haroon Habib Dental Lecture Hall - 1	Anatomy (Practical) FA-007  Epithelium  Dr. Sarwat Dental Lecture Hall - 1	Oral Biology (Lecture) FOB-002  Cytoskeleton  Dr. Sana Chaudry Dental Lecture Hall - 1	Break	Biochemistry (Lecture) FB-009  Metabolism + Glycolysis  Prof. Dr. Sadia Amir Dental Lecture Hall - 1	Physiology (Lecture) FP-005  Transport of Substances through cell membrane  Dr. Hafsa Afnan Dental Lecture Hall - 1	Community Dentistry (Lecture) F CD 001  Concepts of prevention and its levels  Dr. Lubna Yousaf Dental Lecture Hall - 1	Pathology (Tutorial) FPa 005 & 006  Apoptosis & Intracellular Accumulations Demonstrator Dental Lecture Hall - 1	SDL
9th May 2025	Day & Time	8:00-9:00	9:00-10:00	10:00-11:00	11:00-12:00	12:00-1:00	1:00-2:00	2:00-3:30	3:30-4:30	
		Day Off								



Module I Timetable WEEK - 5 BDS 1st Year - D24 (12th May 2025 to 16th May 2025)										
Date	Day & Time	8:00-9:00	9:00-10:00	10:00-11:00	11:00-11:30	11:30-12:30	12:30-1:30	1:30-2:30	2:30-3:30	3:30-4:30
12th May 2025	Monday	Day off due to precautionary security measures								
13th May 2025	Tuesday	Physiology (Tutorial) FP-006 Blood Dr. Hafsa Afnan Dental Lecture Hall - 1	Anatomy (Lecture) FA-008 1st week of development / Connective tissue Prof. Dr. Nahid Dental Lecture Hall - 1	Biochemistry (Lecture) FB-011 Glycolysis + Metabolism Dr. Sadia Amir Dental Lecture Hall - 1	Break	Pharmacology (Lecture) FP-H009& 010 Signaling pathways & Pharmacodynamics Dr Rubina Dental Lecture Hall - 1	Pathology (Lecture) FPa 011 Bacteria Dr. Majid Dental Lecture Hall - 1	Biochemistry (Lecture) FB-010 Dental manifestation of Porphyrria BY ORAL PATHO Dental Lecture Hall - 1	Biochemistry (Tutorial) FB-004 Vitamin B Dr. Maryam Dental Lecture Hall - 1	SDL
14th May 2025	Wednesday	Oral Biology (Lecture) FOB-002 Cytoskeleton Dr. Sana Chaudry Dental Lecture Hall - 1	Biochemistry (Lecture) FB-010 Hb, HbA1c Dr. Sadia Khalil Dental Lecture Hall - 1	Physiology (Lecture) FP-006 Blood Dr. Nida Waseem Dental Lecture Hall - 1	Break	Biochemistry (Lecture) FB-009 Regulation of enzyme / Glycolysis Prof. Dr. Sadia Amir Dental Lecture Hall - 1	Anatomy (Lecture) CF1A-003 1st week of development Prof. Dr. Nahid Dental Lecture Hall - 1	Pathology (Lecture) FPa 011 Bacteria Dr. Majid Dental Lecture Hall - 1	Oral Biology (Tutorial) FOB-002 Demo 1 / Demo 2 / Cytoskeleton Dr Faseeh / Dr Anushey Dental Lecture Hall - 1	SDL
15th May 2025	Thursday	Biochemistry (Lecture) FB-012 Oxy-Hb curve Dr. Sadia Khalil Dental Lecture Hall - 1	Oral Biology (Lecture) FOB 004 Fibroblasts Dr Sana Chaudry Dental Lecture Hall - 1	Anatomy (Practical) FA-007 Epithelium Dr. Sarwat Dental Lecture Hall - 1	Break	Biochemistry (Lecture) FB-009 & 011 Glycolysis 2,3 BPG Prof. Dr. Sadia Amir	Physiology (Lecture) FP-006 Blood Dr. Nida Dental Lecture Hall - 1	Community Dentistry (Lecture) F CD 001 Public Health Dr. Lubna Yousaf Dental Lecture Hall - 1	Pathology (Tutorial) FPa 007 & 008 General microbiology / Pigmentation & Calcification Demonstrators Dental Lecture Hall - 1	SDL
16th May 2025	Day & Time	8:00-9:00	9:00-10:00	10:00-11:00	11:00-12:00	12:00-1:00	1:00-2:00	2:00-3:30		3:30-4:30
	Friday	Grand Test - 2 Theory Biochemistry Examination Hall - 1  (Key Discussion to be held during respective Tutorials)		Grand Test Practical Biochemistry Lab		Pharmacology (Practical) FPh 015 Drug dosing Dr Fatima / Dr Sara Dental Lecture Hall - 1	Jummah Break	Pathology (Tutorial) FPa 007 & 008 Apoptosis & Intracellular Accumulations / Pigmentation & Calcification Demonstrators Dental Lecture Hall - 1		SDL
Date	Day & Time	8:00-9:00	9:00-10:00	10:00-11:00	11:00-11:30	11:30-12:30	12:30-1:30	1:30-2:30	2:30-3:30	3:30-4:30
17th May 2025	Saturday	Anatomy (Lecture) FA-006 Integumentary System Dr. Kanwal Dental Lecture Hall - 1	Biochemistry (Lecture) FB-010 Porphyrrias Dr. Sadia Khalil Dental Lecture Hall - 1	Oral Biology (Lecture) FOB-006 Introduction & Prof. Dr Raheela Yasmin Dental Lecture Hall - 1	Break	Physiology (Lecture) FP-005 Cell and its Organelles and Dr. Shaheena Dental Lecture Hall - 1	Pathology (Lecture) FPa011 Bacteria Dr. Majid Dental Lecture Hall - 1	Pharmacology (Tutorial) Ph-008 Drug clearance Dr Fatima / Dr Sara Dental Lecture Hall - 1	Anatomy (Tutorial) FA-006 Integumentary System Dr. Sarwat Dental Lecture Hall - 1	SDL

# Module I Timetable

WEEK - 6

BDS 1st Year - D24

(19th May 2025 to 23rd May 2025)

Date	Day & Time	8:00-9:00	9:00-10:00	10:00-11:00	11:00-11:30	11:30-12:30	12:30-1:30	1:30-2:30	2:30-3:30	3:30-4:30
19th May 2025	Monday	Anatomy (Lecture) FA-006 Integumentary system Dr. Kanwal Dental Lecture Hall - 1	Biochemistry (Lecture) FB-004 Vitamin A Dr. Yusra Dental Lecture Hall - 1	Oral Biology (Lecture) FOB-004 Fibroblast Dr Sana Chaudry Dental Lecture Hall - 1	Break	Physiology (Lecture) FP-006 Blood Dr. Nida Waseem Dental Lecture Hall - 1	Pathology (Lecture) FPa011 Bacteria Dr Majid Dental Lecture Hall - 1	Pharmacology (Tutorial) Ph-010 Pharmacodynamics Dr Sara / Dr Fatima Dental Lecture Hall - 1	Anatomy (Tutorial) FA-006 Integumentary system Dr. Sarwat Dental Lecture Hall - 1	SDL
20th May 2025	Tuesday	Physiology (Tutorial) FP-006 Blood Dr. Syedda Amina Rizvi Dental Lecture Hall - 1	Anatomy (Lecture) FA-008 Connective Tissue Dr. Kanwal Dental Lecture Hall - 1	Biochemistry (Lecture) FB-004 Vitamin D Dr. Yusra Dental Lecture Hall - 1	Break	Pharmacology (Lecture) FP-H011 FP-H012 FP-H013 Pharmacogenetics ,Drug development ,Drug Interactions Dr Rubina Dental Lecture Hall - 1	Pathology (Lecture) FPa 011 Bacteria Dr. Majid Dental Lecture Hall - 1	Behavioural Sc (Lecture) Dental Lecture Hall - 1	Biochemistry (Tutorial) FB-013	SDL
									Selenium & Iron	
									Dr. Ambreen Dental Lecture Hall - 1	
21st May 2025	Wednesday	Oral Biology (Lecture) FOB 005 Extracellular Matrix Dr Sana Chaudry	Biochemistry (Lecture) FB-004 Vitamin B Dr. Yusra	Physiology (Lecture) FP-006 Blood Prof. Dr. Shahina Naz	Break	Biochemistry (Lecture) FB-011 HMP Shunt Prof. Dr. Sadia Amir	Anatomy (Lecture) CF1A-004 2nd week of development Prof. Dr.Nahid	Pathology (Lecture) FPa 012 Sterilization & Disinfection Dr. Majid	Oral Biology (Tutorial) FB 004 & 005 Dr Faseeh / Dr Anushey	SDL
22nd May 2025	Thursday	Biochemistry (Lecture) FB-004 Vitamin B Dr. Yusra Dental Lecture Hall - 1	Oral Biology (Lecture) FOB 005 Extracellular Matrix Dr Sana Chaudry Dental Lecture Hall - 1	Anatomy (Practical) FA-008 Connective Tissue Dr Sarwat Dental Lecture Hall - 1	Break	Biochemistry (Lecture) FB-011 HMP Shunt + G6PD def. Prof. Dr. Sadia Amir	Physiology (Lecture) FP-006 Blood Prof. Dr. Sadia Zafar Dental Lecture Hall - 1	Community Dentistry (Lecture) F CD 001 Dr.Fatima Dental Lecture Hall - 1	Pathology (Tutorial) FPa 011 Bacteria Dental Lecture Hall - 1	SDL
23rd May 2025	Day & Time	8:00-9:00	9:00-10:00	10:00-11:00	11:00-12:00	12:00-1:00	1:00-2:00	2:00-3:30		3:30-4:30
	Friday	Grand Test - 3 Theory Anatomy Examination Hall - 1  (Key Discussion to be held during respective Tutorials)		Grand Test Practical Biochemistry Lab		Pharmacology (Practical) FPh 015 Drug dosing Dr Sara / Dr Fatima Dental Lecture Hall - 1	Jumma Break	Pathology (Tutorial) +J24:K37Fpa012 Sterilization & Disinfection Demonstrator Dental Lecture Hall - 1		SDL

## Allocation of Hours

### 1st Year BDS - D24

#### Block 1 - Module 1

Sr.	Subjects	Theory Hours	Practical Hours	Total Hours
1	Anatomy	31	13	44
2	Physiology	21	5	26
3	Biochemistry	37	0	37
4	Oral Biology & Tooth Morphology	18	10	28
5	General Pathology & Microbiology	27	4	31
6	Pharmacology	17	2	19
7	Community Dentistry	5	0	5
TOTAL		156	34	190



## Modular Outcomes

Module Name	Modular Outcomes
Block 1 Module 1 Foundation-I	<ul style="list-style-type: none"> <li>• Classify human dentition.</li> <li>• Identify and describe the anatomical landmarks of teeth using models and diagrams.</li> <li>• Interpret different tooth numbering systems.</li> <li>• Describe the structure and function of cellular organelles.</li> <li>• Classify the different types of bones with examples.</li> <li>• Describe the microscopic structure of various tissues (bone, muscles etc).</li> <li>• Explain homeostasis and discuss the role of the control system in maintaining homeostasis.</li> <li>• Compare the prokaryotic and eukaryotic cells.</li> <li>• Describe the significance, sources and functions of essential fatty acids.</li> <li>• Describe the mechanism of cell injury.</li> <li>• Explain the structure of bacteria.</li> <li>• Discuss the different methods of sterilization.</li> <li>• Discuss the various routes of drug administration.</li> <li>• Explain the clinical significance of plasma half-life.</li> <li>• Describe the drug clearance mechanism</li> </ul>

## Learning Objectives

Session	Section / class code	Week No	subject	TOTAL HOURS in a week	No of lectures subject wise	Mode of Teaching	Topic	Code	Learning Objective	Hours Duration	Reference	Facilitator
2024-2025	6	1	Oral Biology	1	1	Lecture	Introduction to Oral Tissues	FOB-001	The Tooh and its supporting tissues.Oral mucosa and Salivary glands	1	TENCATE'S Oral Histology 9th Edition.	
2024-2025	6	1	Oral Biology	2	2	Tutorial	Introduction to Oral Tissues	FOB-001	Bones of the Jaw and TMJ	1	TENCATE'S Oral Histology 9th Edition.	
2024-2025	6	1	Oral Biology	3	3	Lecture	Introduction to Oral Tissues	FOB-001	Hard tissue formation/degradation & Mineralization	1	TENCATE'S Oral Histology 9th Edition.	
2024-2025	6	1	Oral Biology	4	4	Practical	Introduction to Oral Tissues	FOB-001	Enamel,Dentin,Cementum and PDL	1	TENCATE'S Oral Histology 9th Edition.	

2024-2025	6	1	Biochemistry	5	1	Lecture	Cell Membrane	FB-007	#ERROR!	1	#ERROR!	
2024-2025	6	1	Biochemistry	6	2	Lecture	St. & Class of CHO	FB-001	#ERROR!	1	#ERROR!	
2024-2025	6	1	Biochemistry	7	3	Lecture	Receptors	FB-008	#ERROR!	1	#ERROR!	
2024-2025	6	1	Biochemistry	8	4	Lecture	Isomerism in CHO	FB-001	#ERROR!	1	#ERROR!	
2024-2025	6	1	Biochemistry	9	5	Lecture	Signal transduction	FB-008	#ERROR!	1	#ERROR!	
2024-2025	6	1	Physiology	10	1	Lecture	Functional Organization of the Human Body and Control of the 'Internal Environment'	FP-001	Define homeostasis. Describe internal environment of the body. Differentiate between Extracellular and Intracellular Fluids (with special emphasis on comparing the	1	Guyton & Hall Ed 14th Ch.1 Pg 3-6	

									concentration of sodium, potassium, and calcium ions).			
2024-2025	6	1	Physiology	11	2	Lecture	Functional Organization of the Human Body and Control of the 'Internal Environment'	FP-002	Name control system of body by giving examples. Explain the positive, negative, and feed-forward mechanisms with examples	1	Guyton & Hall Ed 14th Ch.1 Pg 7-12	
2024-2025	6	1	#REF!	12	1	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	
2024-2025	6	1	#REF!	13	2	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	
2024-2025	6	1	#REF!	14	3	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	

2024-2025	6	1	Pathology	15	1	Tutorial	Cell Injury	FPa 001	#REF!	1	#REF!	
2024-2025	6	1	Pathology	16	2	Tutorial	Cell Injury	FPa 001	#REF!	1	#REF!	
2024-2025	6	1	Pathology	17	3	Lecture	Cell Injury	Fpa 002	#REF!	1	#REF!	
2024-2025	6	1	Pathology	18	4	Tutorial	Cell Injury	Fpa 001	#REF!	1.5	#REF!	
2024-2025	6	1	Pharmacology	19	1	Practical	Introduction to Pharmacology	FPh 014	Introduction to Pharmacology	1	Pharmacology Practical Notebook	
2024-2025	6	1	Community Dentistry	20	1	Lecture	Dental Public Health	F-CD-0 01	Define Dental Public Health and its dimensions, Disease and illness	1	Textbook of Community and Preventive Dentistry by Joseph john 4th,ed	

Session	Section/ class code	Week No	subject	TOTAL HOURS in a week	No of lectures subject wise	Mode of Teaching	Topic	Code	Learning Objective	Hours Duration	Reference	Facilitator
2024-2025	6	2	Oral Biology	1	1	Lecture	Introduction & Nomenclature( Tooth Morphology)	FOB-0 06	Name the three major functions of the human dentition. Describe various ways of classifying human dentition.	1	Concise Dental Anatomy and Morphology (FULLER) / Wheeler's Dental Anatomy, Physiology and Occlusion	
2024-2025	6	2	Oral Biology	2	2	Lecture	Introduction & Nomenclature( Tooth Morphology)	FOB-0 06	Define the three dentition periods (deciduous, mixed, permanent). Identify each period's approximate time intervals, initiation, and termination events	1	Concise Dental Anatomy and Morphology (FULLER) / Wheeler's Dental Anatomy, Physiology and Occlusion	
2024-2025	6	2	Oral Biology	3	3	Tutorial	Introduction & Nomenclature( Tooth Morphology)	FOB-0 06	Define the three dentition periods (deciduous, mixed, permanent). Identify each period's approximate time intervals, initiation, and termination events	1	Concise Dental Anatomy and Morphology (FULLER) / Wheeler's Dental Anatomy,	

											Physiology and Occlusion	
2024-2025	6	2	Oral Biology	4	4	Lecture	Introduction & Nomenclature( Tooth Morphology)	FOB-006	Describe the dental Formula for permeant and Deciduous dentition Define "succedaneous" and identify succedaneous teeth	1	Concise Dental Anatomy and Morphology (FULLER) / Wheeler's Dental Anatomy, Physiology and Occlusion	
2024-2025	6	2	Oral Biology	5	5	Tutorial	Introduction & Nomenclature( Tooth Morphology)	FOB-006	Describe the eruption pattern of primary and permanent dentition Demonstrate understanding of various dental numbering systems (e.g., universal, FDI, Palmer).	1	Concise Dental Anatomy and Morphology (FULLER) / Wheeler's Dental Anatomy, Physiology and Occlusion	
2024-2025	6	2	Biochemistry	6	1	Lecture	#ERROR!	FB-007	#ERROR!	1	#ERROR!	
2024-2025	6	2	Biochemistry	7	2	Lecture	#ERROR!	FB-001	#ERROR!	1	#ERROR!	

2024-2025	6	2	Biochemistry	8	3	Tutorial	#ERROR!	FB-005	#ERROR!	1	#ERROR!	
2024-2025	6	2	Biochemistry	9	4	Lecture	#ERROR!	FB-001	#ERROR!	1	#ERROR!	
2024-2025	6	2	Biochemistry	10	5	Lecture	#ERROR!	FB-005	#ERROR!	1	#ERROR!	
2024-2025	6	2	Biochemistry	11	6	Lecture	#ERROR!	FB-001	#ERROR!	1	#ERROR!	
2024-2025	6	2	Biochemistry	12	7	Lecture	#ERROR!	FB-005	#ERROR!	1	#ERROR!	
2024-2025	6	2	Biochemistry	13	8	Lecture	#ERROR!	FB-003	#ERROR!	1	#ERROR!	
2024-2025	6	2	Physiology	14	1	Lecture	The Cell and Its Functions	F-P-003	Discuss organization of the cell	1	Guyton & Hall Ed 14th Ch.12 Pg 13	



2024-2025	6	2	Physiology	15	2	Tutorial	The Cell and Its Functions	F-P-003	Revision of all previous week topics	1	Guyton & Hall Ed 14th Ch.1 and Ch. 2 Pg 13	
2024-2025	6	2	Physiology	16	3	Lecture	The Cell and Its Functions	F-P-003	Explain the structure and functions of the cell membrane. Enlist the functions of Glycocalyx. Name different proteins of the cell membrane with their functions.	1	Guyton & Hall Ed 14th Ch.2 Pg 14-16	
2024-2025	6	2	Physiology	17	4	Lecture	The Cell and Its Functions	F-P-003	Enlist membranous and non-membranous organelles. Enlist the self-replicative organelles	1	Guyton & Hall Ed 14th Ch.2 Pg 16	
2024-2025	6	2	Anatomy	18	1	Lecture	Osteology	F-A-002	Discuss the structural characteristics of compact and spongy bones Classify bones based on region, size and shape providing examples of each, preferably from the head and neck	1	General Anatomy Laiq Hussain Siddiqui 6th Edition Pg 27-35	

2024-2025	6	2	Anatomy	19	2	Tutorial	Osteology	F-A-002	Classify bones based on region, size and shape providing examples of each, preferably from the head and neck	1	General Anatomy Laiq Hussain Siddiqui 6th Edition Pg 27-35	
2024-2025	6	2	Anatomy	20	3	Lecture	Cell	F-A-006	Describe the structure of the cellular organelles and correlate with their functions Briefly describe the structure of nucleus	1	Medical Histology Laiq Hussain Siddiqui 8th Edition	
2024-2025	6	2	Anatomy	21	4	Lecture	Gametogenesis	CF1-A-002	Describe spermatogenesis and spermiogenesis, highlighting their roles in male fertility.	1	Langman`s Medical Embryology T.W. Sadler 13th Edition	
2024-2025	6	2	Anatomy	22	5	Practical	Epithelium	F-A-007	Draw and label light microscopic diagram of different types of epithelia	1	Medical Histology Laiq Hussain Siddiqui 8th Edition	

2024-2025	6	2	Anatomy	23	6	Lecture	Osteology	F-A-00 2	Describe the general characteristics of an adult typical long bone Define ossification and briefly describe the process of intramembranous and endochondral ossification Describe rule of ossification Describe the blood supply of various types of bones	1	General Anatomy Laiq Hussain Siddiqui 6th Edition Pg 39-46	
2024-2025	6	2	Pathology	24	1	Lecture	Cell Injury	Fpa-00 2	Cell Adaptations	1	Robbins & Cotran 10th Edition	
2024-2025	6	2	Pathology	25	2	Lecture	Cell Injury	Fpa-00 3	Differences between them	1	Robbins & Cotran 10th Edition	
2024-2025	6	2	Pathology	26	3	Tutorial	Cell Injury	Fpa-00 4	Necrosis	1	Robbins & Cotran 10th Edition	
2024-2025	6	2	Pathology	27	4	Tutorial	Cell Injury	Fpa-00 4	Types of Necrosis	1	Robbins & Cotran 10th Edition	

2024-2025	6	2	Pathology	28	5	Tutorial	Cell Injury	Fpa-004	Types of Necrosis	1.5	Robbins & Cotran 10th Edition	
2024-2025	6	2	Pharmacology	29	1	Tutorial	#REF!	F-PH-001	#REF!	#REF!	#REF!	
2024-2025	6	2	Pharmacology	30	2	Lecture	#REF!	F-PH-001&002	#REF!	#REF!	#REF!	
2024-2025	6	2	Pharmacology	31	3	Lecture	#REF!	FP-H003	#REF!	#REF!	#REF!	
2024-2025	6	2	Pharmacology	32	4	Practical	#REF!	FPh014	#REF!	#REF!	#REF!	
2024-2025	6	2	Behavioural Sciences	33	1	Lecture	#REF!	#REF!	#REF!	#REF!	#REF!	
2024-2025	6	2	Community Dentistry	34	1	Lecture	Dental Public Health	F-CD-001	Define Dental Public Health and its dimensions, Disease and illness	1	Textbook of Community and Preventive Dentistry by Joseph John 4th, ed	

Session	Section / class code	Week No	subject	TOTAL HOURS in a week	No of lectures subject wise	Mode of Teaching	Topic	Code	Learning Objective	Hours Duration	Reference	Facilitator
2024-2025	6	3	Oral Biology	1	1	Lecture	Introduction & Nomenclature( Tooth Morphology)	FOB-006	Describe the anatomical surfaces and land marks of both anterior and posterior teeth, including the roots, using standardized dental terminology.	1	Concise Dental Anatomy and Morphology (FULLER) / Wheeler's Dental Anatomy, Physiology and Occlusion	
2024-2025	6	3	Oral Biology	2	2	Lecture	Introduction & Nomenclature( Tooth Morphology)	FOB-006	Identify and name tooth surfaces and thirds of tooth surfaces from diagrams or descriptions	1	Concise Dental Anatomy and Morphology (FULLER) / Wheeler's Dental Anatomy, Physiology and Occlusion	

2024-20 25	6	3	Oral Biology	3	3	Lecture	Introduction & Nomenclature( Tooth Morphology)	FOB-0 06	Differentiate between the crown surfaces of teeth by matching them with their correct general shape (triangular, trapezoidal, or rhomboidal), or by relating the shape to the specific function of the tooth	1	Concise Dental Anatomy and Morphology (FULLER) / Wheeler's Dental Anatomy, Physiology and Occlusion	
2024-20 25	6	3	Biochemist ry	4	1	Lecture	#ERROR!	#ERRO R!	#ERROR!	1	#ERROR!	
2024-20 25	6	3	Biochemist ry	5	2	Lecture	#ERROR!	#ERRO R!	#ERROR!	1	#ERROR!	

2024-20 25	6	3	Biochemist ry	6	3	Tutorial	#ERROR!	#ERRO R!	#ERROR!	1	#ERROR!	
2024-20 25	6	3	Biochemist ry	7	4	Lecture	#ERROR!	#ERRO R!	#ERROR!	1	#ERROR!	
2024-20 25	6	3	Biochemist ry	8	5	Lecture	#ERROR!	#ERRO R!	#ERROR!	1	#ERROR!	
2024-20 25	6	3	Physiology	9	1	Lecture	The Cell and Its Functions	F-P-00 3	Differentiate between the functions of smooth and rough endoplasmic reticulum. Explain the functions of Golgi apparatus	1	Guyton & Hall Ed 14th Ch.12 Pg 13	
2024-20 25	6	3	Physiology	10	2	Tutorial	The Cell and Its Functions	F-P-00 3	Revision of all previous week topics	1	Guyton & Hall Ed 14th Ch.1 and Ch. 2 Pg 13	

2024-20 25	6	3	Physiology	11	3	Lecture	The Cell and Its Functions	F-P-00 3	Explain the functions of lysosomes. Explain the functions of peroxisomes. Compare functions of lysosomes and peroxisomes	1	Guyton & Hall Ed 14th Ch.2 Pg 14-16	
2024-20 25	6	3	Anatomy	12	1	Lecture	Joints	#REF!	Describe the structural classification of Joints (fibrous, cartilaginous and synovial) along with their sub-classifications with examples of each	1	#REF!	
2024-20 25	6	3	Anatomy	13	2	Tutorial	Osteology	#REF!	Describe the features of different views of skull (Anterior, Posterior, Superior, Inferior, Lateral)	1	#REF!	
2024-20 25	6	3	Anatomy	14	3	Lecture	Cell	#REF!	Describe the structure of different types of cell junctions	1	#REF!	



2024-20 25	6	3	Anatomy	15	4	Lecture	Gametogenesis	#REF!	Describe the process of oogenesis, including the stages and regulatory mechanisms involved. Describe the embryological basis of teratoma.	1	#REF!	
2024-20 25	6	3	Pathology	16	1	Lecture	Cell Injury	#REF!	#REF!	1	Robbins & Cotran 10th Edition	
2024-20 25	6	3	Pathology	17	2	Lecture	Cell Injury	#REF!	#REF!	1	Robbins & Cotran 10th Edition	
2024-20 25	6	3	Pathology	18	3	Tutorial	Cell Injury	#REF!	#REF!	1	Robbins & Cotran 10th Edition	
2024-20 25	6	3	Pathology	19	4	Tutorial	Cell Injury	#REF!	#REF!	1	Robbins & Cotran 10th Edition	

2024-20 25	6	3	Pharmacol ogy	20	1	Tutorial	#REF!	#REF!	#REF!	#REF!	#REF!	
2024-20 25	6	3	Pharmacol ogy	21	2	Lecture	#REF!	#REF!	#REF!	#REF!	#REF!	
2024-20 25	6	3	Pharmacol ogy	22	3	Practical	#REF!	#REF!	#REF!	#REF!	#REF!	
2024-20 25	6	3	Behavioura l Sciences	23	1	Lecture	#REF!	#REF!	#REF!	#REF!	#REF!	
2024-20 25	6	3	Community Dentistry	24	1	Lecture	Dental Public Health	F-CD-0 01	Define Dental Public Health and its dimensions, Disease and illness	1	Textbook of Community and Preventive Dentistry by Joseph john 4th,ed	
#REF!	#REF!	3	#REF!	25	#REF!					#REF!		
#REF!	#REF!	3	#REF!	26	#REF!					#REF!		

Session	Section/ class code	Week No	subject	TOTAL HOURS in a week	No of lectur es subjec t wise	Mode of Teaching	Topic	Code	Learning Objective	Hours Duration	Reference	Facilitator
2024-2025	6	4	Oral Biology	1	1	Lecture	Introduction & Nomenclature( Tooth Morphology)	FOB-006	Identify and name line and point angles based on diagrams or descriptions.	1	Concise Dental Anatomy and Morphology (FULLER) / Wheeler's Dental Anatomy, Physiology and Occlusion	
2024-2025	6	4	Oral Biology	2	2	Lecture	Introduction & Nomenclature( Tooth Morphology)	FOB-006	Define elevations and depressions on the tooth surface	1	Concise Dental Anatomy and Morphology (FULLER) / Wheeler's Dental Anatomy, Physiology and Occlusion	
2024-2025	6	4	Oral Biology	3	3	Tutorial	Demo1-Demo-2	FOB-006	Demo1-Demo-2	1	Concise Dental Anatomy and Morphology (FULLER) / Wheeler's Dental Anatomy, Physiology and Occlusion	

2024-2025	6	4	Oral Biology	4	4	Lecture	Introduction & Nomenclature( Tooth Morphology)	FOB-006	Applications to the type of root structure necessary for proper the function of the different teeth, and the general rules regarding tooth roots and the normal number of branches.	1	Concise Dental Anatomy and Morphology (FULLER) / Wheeler's Dental Anatomy, Physiology and Occlusion	
2024-2025	6	4	Biochemistry	5	1	Lecture	#ERROR!	#ERROR!	#ERROR!	1	#ERROR!	
2024-2025	6	4	Biochemistry	6	2	Lecture	#ERROR!	#ERROR!	#ERROR!	1	#ERROR!	
2024-2025	6	4	Biochemistry	7	3	Tutorial	#ERROR!	#ERROR!	#ERROR!	1	#ERROR!	
2024-2025	6	4	Biochemistry	8	4	Lecture	#ERROR!	#ERROR!	#ERROR!	1	#ERROR!	
2024-2025	6	4	Biochemistry	9	5	Lecture	#ERROR!	#ERROR!	#ERROR!	1	#ERROR!	
2024-2025	6	4	Biochemistry	10	6	Lecture	#ERROR!	#ERROR!	#ERROR!	1	#ERROR!	

2024-2025	6	4	Biochemistry	11	7	Lecture	#ERROR!	#ERROR!	#ERROR!	1	#ERROR!	
2024-2025	6	4	Physiology	12	1	Lecture	The Cell and Its Functions	F-P-003	Enlist functions of mitochondria and ribosomes. Enumerate the components and functions of the cytoskeleton	1	Guyton & Hall Ed 14th Ch.2. Pg 18,19	
2024-2025	6	4	Physiology	13	2	Tutorial	The Cell and Its Functions	F-P-003	Revision of all previous week topics	1	Guyton & Hall Ed 14th Ch.2 Pg 13-19	
2024-2025	6	4	Physiology	14	3	Lecture	The Cell and Its Functions	F-P-004	Define and enlist types of endocytosis. Explain the mechanism of pinocytosis	1	Guyton & Hall Ed 14th Ch.2 Pg 21-22	
2024-2025	6	4	Physiology	15	4	Lecture	Transport of Substances through Cell Membrane	F-P-005	Enlist different transport mechanisms. Discuss the process of simple diffusion across the cell membrane	1	Guyton & Hall Ed 14th Ch.4 Pg 52-53	
2024-2025	6	4	Pathology	16	1	Lecture	Cell Injury	Fpa-005	#REF!	1	Robbins & Cotran 10th Edition	

2024-2025	6	4	Pathology	17	2	Lecture	Cell Injury	Fpa-005	#REF!	1	Robbins & Cotran 10th Edition	
2024-2025	6	4	Pathology	18	3	Lecture	Cell Injury	Fpa-005	#REF!	1	Robbins & Cotran 10th Edition	
2024-2025	6	4	Pathology	19	4	Tutorial	Cell Injury	Fpa-005	#REF!	1	Robbins & Cotran 10th Edition	
2024-2025	6	4	Pathology	20	5	Tutorial	Cell Injury	Fpa-005	intracellular accumulations	1.5	Robbins & Cotran 10th Edition	
2024-2025	6	4	Community Dentistry	21	1	Lecture	Dental Public Health	F-CD-001	Difference between clinical and Public Health dentist	1	Textbook of Community and Preventive Dentistry by Joseph John 4th, ed	
2024-2025	6	4	B.Sciences	22	1	Lecture	behavioral interventions	F-Bhs- 004	Appreciate the impact of behavioral interventions on patient care & Understand the neurological basis of behavior	1	Behavioural sciences 3rd edition by Mowadat Rana	
2024-2025	6	4	Pharmacology	23	1	Tutorial	Drug Excretion and maintenance dose	Ph-004	#REF!	1	Katzung's Basic and clinical Pharmacology 17 Edition. Lippincott Pharmacology 9 Edition	

2024-2025	6	4	Pharmacology	24	2	lecture	Order Kinetics & Drug clearance	FP-H008&006	#REF!	1	Katzungs Basic and clinical Pharmacology 17 Edition. Lippon cott Pharmacology 9 Edition	
2024-2025	6	4	Pharmacology	25	3	Practical	Drug Dosing	FPh 015	#REF!	1	Katzungs Basic and clinical Pharmacology 17 Edition. Lippon cott Pharmacology 9 Edition	
2024-2025	6	4	Anatomy	26	1	Lecture	Joints & Cartilage	F-A-003 & F-A-004	Enlist the general characteristics of synovial joints Enlist the factors stabilizing a synovial joint Describe Hilton's Law Discuss and differentiate the gross features of hyaline, elastic and fibrocartilage	1	General Anatomy Laiq Hussain Siddiqui 6th Edition	
2024-2025	6	4	Anatomy	27	2	Tutorial	Joints	F-A-003	Describe the structural classification of Joints (fibrous, cartilaginous and synovial) along with their sub-classifications with examples of each	1	General Anatomy Laiq Hussain Siddiqui 6th Edition	

2024-2025	6	4	Anatomy	28	3	Lecture	Epithelium	F-A-007	Classify and exemplify the epithelia with their histological structure, locations, and functions Describe the structure of basement membrane	1	Medical Histology Laiq Hussain Siddiqui 8th Edition	
2024-2025	6	4	Anatomy	29	4	Lecture	First week of development: Ovulation to implantation	CF1-A-003	Discuss the ovarian cycle, hormonal regulation and its phases.	1	Langman`s Medical Embryology T.W. Sadler 13th Edition	
2024-2025	6	4	Anatomy	30	5	Practical	Epithelium	F-A-007	Draw and label light microscopic diagram of different types of epithelia	1	Medical Histology Laiq Hussain Siddiqui 8th Edition	
2024-2025	6	4	GRAND TEST (THEORY) / MODULE (THEORY)	31	1					2 hours/3 hours		
2024-2025	6	4	GRAND TEST PRACTICAL / MODULE PRACTICAL	32	1					2hours/2 hours		



Session	Section/ class code	Week No	subject	TOTAL HOURS in a week	No of lectures subject wise	Mode of Teaching	Topic	Code	Learning Objective	Hours Duration	Reference	Facilitator
2024-202 5	6	5	Oral Biology	1	1	Lecture	Cytoskele ton	FOB-0 02	Describe the structure, types, and functions of the cytoskeleton, including microfilaments, intermediate filaments, and microtubules, within oral tissues	1	TenCates's Oral Histology 9th edition	
2024-202 5	6	5	Oral Biology	2	2	Lecture	Cytoskele ton	FOB-0 02	Describe the structure, types, and functions of the cytoskeleton, including microfilaments, intermediate filaments, and microtubules, within oral tissues	1	TenCates's Oral Histology 9th edition	

2024-2025	6	5	Oral Biology	3	3	Tutorial	Cytoskeleton	FOB-002	Describe the structure, types, and functions of the cytoskeleton, including microfilaments, intermediate filaments, and microtubules, within oral tissues	1	TenCates's Oral Histology 9th edition	
2024-2025	6	5	Oral Biology	4	4	Lecture	Fibroblasts	FOB-004	Describe the structure, secretory functions, and role of fibroblasts in the maintenance of the extracellular matrix in oral tissues	1	TenCates's Oral Histology 9th edition	
2024-2025	6	5	Biochemistry BY (ORAL PATHO)	5	1	Lecture	#ERROR!	#ERROR!	#ERROR!	1	#ERROR!	
2024-2025	6	5	Biochemistry BY (ORAL PATHO)	6	2	Lecture	#ERROR!	#ERROR!	#ERROR!	1	#ERROR!	
2024-2025	6	5	Biochemistry	7	3	Lecture	#ERROR!	#ERROR!	#ERROR!	1	#ERROR!	
2024-2025	6	5	Biochemistry	8	4	Tutorial	#ERROR!	#ERROR!	#ERROR!	1	#ERROR!	

2024-2025	6	5	Biochemistry	9	5	Lecture	#ERROR!	#ERROR!	#ERROR!	1	#ERROR!	
2024-2025	6	5	Biochemistry	10	6	Lecture	#ERROR!	#ERROR!	#ERROR!	1	#ERROR!	
2024-2025	6	5	Biochemistry	11	7	Lecture	#ERROR!	#ERROR!	#ERROR!	1	#ERROR!	
2024-2025	6	5	Biochemistry	12	8	Lecture	#ERROR!	#ERROR!	#ERROR!	1	#ERROR!	
2024-2025	6	5	Physiology	13	1	Lecture	Transport of Substances through Cell Membrane	F-P-005	Explain the process of facilitated diffusion. Compare features of simple and facilitated diffusion with examples	1	Guyton & Hall Ed 14th Ch.4. Pg 55-56	
2024-2025	6	5	Physiology	14	2	Tutorial	Transport of Substances through Cell Membrane	F-P-005	Classify different types of active transport. Describe primary and secondary active transport with examples. Enlist and explain functions of Na-K pump	1	Guyton & Hall Ed 14th Ch.4 Pg 56-62	

2024-2025	6	5	Physiology	15	2	Lecture	Red Blood Cells, Anemia, and Polycythemia	F-P-006	Discuss the components of blood. Enlist the functions of blood. Enlist plasma proteins. Discuss characteristics of red cells. Give normal range of red cells in blood, also their shape and size. Discuss functions of red cells	1	Guyton & Hall Ed 14th Ch.33 Pg. 439-440	
2024-2025	6	5	Physiology	16	4	Lecture	Red Blood Cells, Anemia, and Polycythemia	F-P-006	Enumerate the different sites of erythropoiesis at different ages. Enlist the stages of erythropoiesis. Discuss the site and mechanism of production of erythropoietin and its role in erythropoiesis.	1	Guyton & Hall Ed 14th Ch.33. Pg. 440-442	
2024-2025	6	5	Pathology	17	1	Lecture	Pigmentation	#REF!	#REF!	1	Robbins & Cotran 10th Edition	

2024-2025	6	5	Pathology	18	2	Lecture	Pigmentation	#REF!	#REF!	1	Robbins & Cotran 10th Edition	
2024-2025	6	5	Pathology	19	3	Lecture	Pigmentation	#REF!	#REF!	1	Robbins & Cotran 10th Edition	
2024-2025	6	5	Pathology	20	4	Tutorial	Pigmentation	#REF!	#REF!	1	Robbins & Cotran 10th Edition	
2024-2025	6	5	Pathology	21	5	Tutorial	Pigmentation	Fpa-007	intracellular accumulations	1.5	Robbins & Cotran 10th Edition	
2024-2025	6	5	Community Dentistry	22	1	Lecture	Dental Public Health	F-CD-001	Identify criteria for a disease to be of public health importance	1	Textbook of Community and Preventive Dentistry by Joseph John 4th, ed	
2024-2025	6	5	Behavioural Sciences	23	1	Lecture	Neurological basis of behavior	F-Bhs-005	How to Relate the brain function with behaviour	1	Behavioural sciences 3rd edition by Mowdat Rana	

2024-2025	6	5	Pharmacology	24	1	Tutorial	Drug Clearance	Ph-008	Understand concept of drug clearance;factors affecting it and clinial significance	1	Katzungs Basic and clinical Pharmacology 17 Edition. Lippon cott Pharmacology 9 Edition	
2024-2025	6	5	Pharmacology	25	2	lecture	Signalling pathways and pharmacodynamics	FP-H009&010	Understand concept of drug clearance;factors affecting it and clinial significance	1	Katzungs Basic and clinical Pharmacology 17 Edition. Lippon cott Pharmacology 9 Edition	
2024-2025	6	5	Pharmacology	26	3	Practical	Drug Dosing	FPh 015	#REF!	1	Pharmacology Practical Notebook	
2024-2025	6	5	Anatomy	27	1	Lecture	Myology	F-A-005	Describe the types of muscular tissue (skeletal, smooth and cardiac) Describe parts of a muscle Classify and exemplify skeletal muscles on the basis of shape, fiber architecture and action	1	General Anatomy Laiq Hussain Siddiqui 6th Edition	

2024-2025	6	5	Anatomy	28	2	Tutorial	Myology	F-A-005	Classify and exemplify skeletal muscles on the basis of shape, fiber architecture and action	1	General Anatomy Laiq Hussain Siddiqui 6th Edition	
2024-2025	6	5	Anatomy	29	3	Lecture	Epithelium	F-A-007	Describe the electron microscopic structure & functions of the following apical cell surface specializations: i. Microvilli ii. Stereocilia iii. Cilia	1	Medical Histology Laiq Hussain Siddiqui 8th Edition	
2024-2025	6	5	Anatomy	30	4	Lecture	First week of development: Ovulation to implantation	CF1-A-003	Enlist and explain the main outcomes of fertilization and their relevance to early embryonic development.	1	Langman's Medical Embryology T.W. Sadler 13th Edition	

2024-2025	6	5	Anatomy	31	5	Practical	Epithelium	F-A-007	Classify and exemplify the exocrine glands on the basis of: Shape of secretory portions and ducts mode of secretion and types of secretion and Shape of secretory portions and ducts	1	Medical Histology Laiq Hussain Siddiqui 8th Edition	
2024-2025	6	5	GRAND TEST (THEORY) / MODULE (THEORY)	32	1					2 hours/3 hours		
2024-2025	6	5	GRAND TEST PRACTICAL / MODULE PRACTICAL	33	1					2 hours/2 hours		



Session	Section/ class code	Week No	subject	TOTAL HOURS in a week	No of lectures subject wise	Mode of Teaching	Topic	Code	Learning Objective	Hours Duration	Reference	Facilitator
2024-2025	6	6	Oral Biology	1	1	Lecture	Fibroblasts	FOB-0 04	Describe the structure, secretory functions, and role of fibroblasts in the maintenance of the extracellular matrix in oral tissues	1	TenCates's Oral Histology 9th edition	
2024-2025	6	6	Oral Biology	2	2	Lecture	Extracellular Matrix	FOB-0 05	Discuss the composition, function, and degradation processes of the ECM, emphasizing its role in oral tissue integrity and repair	1	TenCates's Oral Histology 9th edition	

2024-2025	6	6	Oral Biology	3	3	Tutorial	Extracellular Matrix	FOB-0 05	Discuss the composition, function, and degradation processesof the ECM, emphasizing its role in oral tissue integrity and repair	1	TenCates's Oral Histology 9th edition	
2024-2025	6	6	Oral Biology	4	4	Lecture	Extracellular Matrix	FOB-0 05	Discuss the composition, function, and degradation processesof the ECM, emphasizing its role in oral tissue integrity and repair	1	TenCates's Oral Histology 9th edition	
2024-2025	6	6	Biochemist ry	5	1	Lecture	Vitamin A	#ERR OR!	Vitamin A	1	#ERROR!	

2024-2025	6	6	Biochemistry	6	2	Lecture	#ERROR!	#ERROR!	Vitamin D	1	#ERROR!	
2024-2025	6	6	Biochemistry	7	3	Tutorial	#ERROR!	#ERROR!	Selenium + Iron	1	#ERROR!	
2024-2025	6	6	Biochemistry	8	4	Lecture	#ERROR!	#ERROR!	#ERROR!	1	#ERROR!	
2024-2025	6	6	Biochemistry	9	5	Lecture	#ERROR!	#ERROR!	HMP Shunt	1	#ERROR!	
2024-2025	6	6	Biochemistry	10	6	Lecture	#ERROR!	#ERROR!	Vitamin B	1	#ERROR!	

2024-2025	6	6	Biochemistry	11	7	Lecture	#ERROR!	#ERROR!	#ERROR!	1	#ERROR!	
2024-2025	6	6	Physiology	12	1	Lecture	Red Blood Cells, Anemia, and Polycythemia	F-P-006	Explain the significance of vitamin B12 and folic acid in maturation of red blood cells Enumerate and elaborate role of factors/nutrients that are required and regulate	1	Guyton & Hall Ed 14th Ch.33 Pg. 443	
2024-2025	6	6	Physiology	13	2	Tutorial	Red Blood Cells, Anemia, and Polycythemia	F-P-006	Revision of all previous week topics	1	Guyton & Hall Ed 14th Ch.33 Pg. 439-443	

2024-2025	6	6	Physiology	14	3	Lecture	Red Blood Cells, Anemia, and Polycythemia	F-P-006	Define blood indices mentioned as: MCV (mean corpuscular volume), MCH (mean corpuscular hemoglobin), and MCHC (mean corpuscular hemoglobin concentration). Give their normal values & enumerate the conditions in which these values are disturbed. Discuss components/structure of hemoglobin.	1	Guyton & Hall Ed 14th Ch.33 Pg. 443-445	
2024-2025	6	6	Physiology	15	4	Lecture	Red Blood Cells, Anemia, and Polycythemia	F-P-006	Define sickle cell anemia. Discuss fate of red cells when they complete their life span. Define and classify anemia on the basis of morphology and cause. Discuss effects of anemia on circulation. Define and enlist types of polycythemias.	1	Guyton & Hall Ed 14th Ch.33. Pg. 446-447	

2024-2025	6	6	Pathology	16	1	Lecture	Cell injury	#REF!	Calcification	1	Robbins &Cotran 10th Edition	
2024-2025	6	6	Pathology	17	2	Lecture	Cell injury	#REF!	Calcification	1	Robbins &Cotran 10th Edition	
2024-2025	6	6	Pathology	18	3	Lecture	Cell injury	#REF!	Calcification	1	Robbins &Cotran 10th Edition	
2024-2025	6	6	Pathology	19	4	Tutorial	Cell injury	#REF!	Calcification	1	Robbins &Cotran 10th Edition	

2024-2025	6	6	Pathology	20	5	Tutorial	Cell injury	#REF!	Calcification	1.5	Robbins & Cotran 10th Edition	
2024-2025	6	6	Community Dentistry	21	1	Lecture	Dental Public Health	F-CD-001	Describe the concepts of prevention and its levels	1	Textbook of Community and Preventive Dentistry by Joseph John 4th, ed	
2024-2025	6	6	Pharmacology	22	1	Tutorial	Pharmacodynamics	Ph-010	Transmembrane signalling pathways. Effectors controlled by G coupled proteins. Pharmacodynamics, efficacy, affinity, potency, agonists and antagonists with examples and significance.	1	Katzung's Basic and clinical Pharmacology 17 Edition. Lippincott Pharmacology 9 Edition	

2024-2025	6	6	Pharmacology	23	2	Lecture	Pharmacogenomics, drug development, drug interactions	#REF!	Define pharmacogenomics and examples. Various phases of drug development. Drug interactions	1	Katzung's Basic and clinical Pharmacology 17 Edition. Lippincott Pharmacology 9 Edition	
2024-2025	6	6	Pharmacology	24	3	Practical	Drug Dosing	FPh 015	#REF!	1	Pharmacology Practical Notebook	



2024-2025	6	6	Anatomy	25	1	Lecture	Integumentary system	F-A-006	Describe the two layers of skin (epidermis and dermis)	1	General Anatomy Laiq Hussain Siddiqui 6th Edition	
2024-2025	6	6	Anatomy	26	2	Tutorial	Integumentary system	F-A-005	Describe the two layers of skin (epidermis and dermis)	1	General Anatomy Laiq Hussain Siddiqui 6th Edition	
2024-2025	6	6	Anatomy	27	3	Lecture	Connective Tissue	F-A-008	List the connective tissue cells along with their functions Describe the composition of ground substance of connective tissue	1	Medical Histology Laiq Hussain Siddiqui 8th Edition	
2024-2025	6	6	Anatomy	28	4	Lecture	Second week of Development: Bilaminar Germ Disc	CF1-A-004	Describe the embryological basis of hydatidiform mole and its pathological significance.	1	Langman's Medical Embryology T.W. Sadler 13th Edition	

									Describe the formation of embryonic disc, amniotic cavity and yolk sac			
2024-2025	6	6	Anatomy	29	5	Practical	Connective Tissue	F-A-008	Draw and label light microscopic diagram of different types of connective tissue	1	Medical Histology Laiq Hussain Siddiqui 8th Edition	
2024-2025	6	6	GRAND TEST (THEORY) / MODULE (THEORY)	30	1					2 hours/3 hours		
2024-2025	6	6	GRAND TEST PRACTICAL / MODULE PRACTICAL	31	1					2hours/2hours		

## Operational Definitions

### 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. Practicals 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, encourages students to explore 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 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 student's 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

# **AVICENNA MEDICAL & DENTAL COLLEGE**

## **Internal 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 work-place 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.

<b>Internal Assessment Weightage</b>	20%	100%
<b>External Assessment Weightage</b>	80%	

## Assessment Schedule

<b>Avicenna Dental College</b> 1st Year BDS Integrated (D24) - Session 2024-2025					
WEEK	DATE	DAY	SUBJECT	TEST	TOPIC / CODE
<b>Commencement of Classes: 14th April 2025 Monday</b>					
<b>COMMENCEMENT OF MODULE - 1</b>					
1	<b>14th &amp; 15th April Orientation Day</b>				
3	<b>Labour day</b> <b>1st May 2025, Thursday</b>				
3	2nd May 2025	Friday	<b>(Oral Biology)</b> <b>(Pathology)</b> <b>(Behavi.Science)</b> <b>(Anatomy)</b>	GRAND TEST - 1	<b>Oral Biology:</b> F-OB-001 / F-OB-001  <b>Pathology</b> Cell Injury F-Pa 001 / F-Pa 002 / F-Pa 003 / F-Pa 004 / F-Pa 005 / F-Pa 006 / F-Pa 007 / F-Pa-008  <b>Behavi.Science:</b> F-Bhs-001 / F-Bhs-002 / F-Bhs-003 / F-Bhs-004 / F-Bhs-005  <b>Anatomy:</b> F-A-001 / F-A-002 / F-A-006 / CF1-A-001 / CF1-A-002
4	<b>Day off due to precautionary security measures</b>				
5	16th May 2025	Friday	<b>(Biochemistry)</b> <b>(Physiology)</b> <b>(Pathology)</b> <b>(Pharmacology)</b>	GRAND TEST - 2	<b>Biochemistry:</b> F-B-001 / F-B-002 / 003 / 007 / 008 / 005 / 006  <b>Physiology:</b> F-P-001 / F-P-002 / F-P-003 / F-P-004 / F-P-005 / F-P-006 (Plasma proteins only)  <b>Pathology:</b> F-Pa 010 / F-Pa 011 / F-Pa 012  <b>Pharmacology:</b> F-PH-001& 002 / F-PH-003& 005 / F-PH-004& 007 / F-PH-008& 006 Pharmacokinetics and pharmacodynamics



6	23rd May 2025	Friday	(Anatomy)  (Biochemistry)  (Oral Biology)  (Community Dentistry)	GRAND TEST - 3	<b>Anatomy:</b> F-A-003 / F-A-004 / F-A-005 / F-A-006 / F-A-007 / CF1-A-003  <b>Biochemistry:</b> Insert here F-B-005 / F-B-006 F-B-009,010,012  <b>Oral Biology:</b> F-OB-002 / F-OB-006  <b>Community Dentistry:</b> Car1-CD-001 / Car1-CD-002 / Car1-CD-003
7	<u><b>Youme Takbeer</b></u> <b>28th May (Wednesday)</b>				
<b>COMMENCEMENT OF MODULE - 2</b>					
8	2nd June 2025	Monday	Anatomy Physiology Biochemistry Oral Biology & Tooth Morphology General Pathology & Microbiology Pharmacology Community Dentistry	<b>Module - 1 Exam</b>	Complete Module - 1 Syllabus
<u><b>Eid-ul-Adha</b></u> <b>6th / 7th / 8th &amp; 9th June 2025</b>					
9	13th June 2025	Friday	Anatomy Oral Biology & Tooth Morphology General Pathology & Microbiology	<b>Module - 2 Exam</b>	Complete Module - 2 Syllabus
<b>COMMENCEMENT OF MODULE - 3</b>					
12	4th July 2025	Friday	Oral Biology & Tooth Morphology Biochemistry Community	<b>Module - 3 Exam</b>	Complete Module - 3 Syllabus

			Dentistry Oral Pathology Operative Dentistry		
<b>Ashura 5th &amp; 6th July 2025</b>					
<b>COMMENCEMENT OF MODULE - 4</b>					
14	14th July 2025	Monday	Anatomy Physiology Biochemistry Oral Biology & Tooth Morphology	<b>Block 1 Exam (Theory)</b>	Complete Block 1 Syllabus
14	15th July 2025	Tuesday	General Pathology & Microbiology Pharmacology Community Dentistry Oral Pathology Operative Dentistry	<b>Block 1 Exam (Practical)</b>	Complete Block 1 Syllabus
<b>Summer Break 21st July 2025 to 17th August</b>					
16	29th August 2025	Friday	Oral Biology & Tooth Morphology Anatomy Biochemistry General Pathology & Microbiology Pharmacology Physiology	<b>Module - 4 Exam</b>	Complete Module - 4 Syllabus
<b>COMMENCEMENT OF MODULE - 5</b>					
22	10th October 2025	Friday	Physiology Anatomy Biochemistry Pharmacology General Pathology & Microbiology	<b>Module - 5 Exam</b>	Complete Module - 5 Syllabus
<b>COMMENCEMENT OF MODULE - 6</b>					

24	24th October 2025	Friday	Oral Biology & Tooth Morphology Community Dentistry Dental Radiology (Oral Diagnosis/Oral Medicine) Periodontology General Pathology & Microbiology	Module - 6 Exam	Complete Module - 6 Syllabus
<b>COMMENCEMENT OF MODULE - 7</b>					
25	27th October 2025	Monday	Oral Biology & Tooth Morphology Anatomy Biochemistry General Pathology & Microbiology Pharmacology Physiology	Block 2 Exam (Theory)	Complete Block 2 Syllabus
25	28th October 2025	Tuesday	Community Dentistry Dental Radiology (Oral Diagnosis/Oral Medicine) Periodontology	Block 2 Exam (Practical)	Complete Block 2 Syllabus
29	28th November 2025	Friday	Anatomy Biochemistry Physiology General Pathology & Microbiology Pharmacology	Module - 7 Exam	Complete Module - 7 Syllabus
<b>COMMENCEMENT OF MODULE - 8</b>					
<b>Winter Break / Quaid E Azam Day 22nd To 26th December 2025</b>					

33	2nd January 2025	Friday	Anatomy Oral Biology & Tooth Morphology Physiology Biochemistry Pharmacology General Pathology & Microbiology Oral Pathology Community Dentistry	<b>Module - 8 Exam</b>	Complete Module - 8 Syllabus
<b>COMMENCEMENT OF MODULE - 9</b>					
35	16th January 2025	Friday	Oral Biology & Tooth Morphology	<b>Module - 9 Exam</b>	Complete Module - 9 Syllabus
36	19th January 2025	Monday	Anatomy Biochemistry Physiology General Pathology & Microbiology	<b>Block 3 Exam (Theory)</b>	Complete Block 3 Syllabus
	20th January 2025	Tuesday	Pharmacology Oral Biology & Tooth Morphology Oral Pathology Community Dentistry	<b>Block 3 Exam (Practical)</b>	Complete Block 3 Syllabus
	23rd January 2025	Friday	Islamiat / Pak. Study	<b>Send Up Islamiat / Pak. Study</b>	Complete Syllabus
	26th January 2025	Monday	Anatomy Physiology Biochemistry Oral Biology & Tooth Morphology General Pathology & Microbiology Pharmacology Community Dentistry Oral Pathology Operative Dentistry	<b>SENDUP Block 1</b>	<b>Block 1</b> Complete Syllabus

	<b>28th January 2025</b>	<b>Wednesday</b>	Anatomy Physiology Biochemistry Oral Biology & Tooth Morphology General Pathology & Microbiology Pharmacology Community Dentistry Oral Pathology Operative Dentistry	<b>Send Up Block 1 (Practical)</b>	<b>Block 1</b> Complete Syllabus
	<b>30th January 2025</b>	<b>Friday</b>	Oral Biology & Tooth Morphology Anatomy Biochemistry General Pathology & Microbiology Pharmacology Physiology Community Dentistry Dental Radiology (Oral Diagnosis/Oral Medicine) Periodontology	<b>SEND UP Block 2</b>	<b>Block 2</b> Complete Syllabus
	<b>2nd February 2025</b>	<b>Monday</b>	Oral Biology & Tooth Morphology Anatomy Biochemistry General Pathology & Microbiology Pharmacology Physiology Community Dentistry Dental Radiology (Oral Diagnosis/Oral Medicine) Periodontology	<b>Send Up Block 2 (Practical)</b>	<b>Block 2</b> Complete Syllabus
	<b>4th February 2025</b>	<b>Wednesday</b>	Anatomy Biochemistry Physiology General Pathology	<b>Send Up Block 3</b>	<b>Block 3</b> Complete Syllabus

			& Microbiology Pharmacology Oral Biology & Tooth Morphology Oral Pathology Community Dentistry		
	<b>6th February 2025</b>	<b>Friday</b>	Anatomy Biochemistry Physiology General Pathology & Microbiology Pharmacology Oral Biology & Tooth Morphology Oral Pathology Community Dentistry	<b>Send Up Block 3 (Practical)</b>	<b>Block 3</b> Complete Syllabus

## Table of Specification

<b>BDS Integrated Curriculum 2K25, 1st Professional Exam</b>							
<b>BLOCK 1 - ASSESSMENT PARAMETERS AND DIVISION OF MARKS</b>							
<b>Subject</b>	<b>Written Exam</b>			<b>Oral/Practical Exam</b>			
	<b>MCQ</b> (1 mark and 1 minute each)	<b>SEQ</b> (4 marks each and 11 minutes for each SEQ)	<b>Marks</b>	<b>OSPE</b> (9 Marks Each and 6 minutes each)	<b>OSCE</b> (9 Marks Each and 6 minutes each)	<b>OSVE</b> (6 Marks Each and 6 minutes each)	<b>Marks</b>
Anatomy	13	2	21	2	0	1	24
Physiology	12	1	16	1	0	1	15
Biochemistry	9	1	13	0	0	1	6
Oral Biology	21	3	33	3	0	1	33
General Pathology & Microbiology	12	1	16	1	0	1	15
Pharmacology	7	1	11	0	0	1	6
Community Dentistry and Public Health	3	0	3	0	0	1	6
Oral Pathology / Operative Dentistry	3	1	7	1	0	1	15
<b>Total Questions</b>	<b>80</b>	<b>10</b>		<b>8</b>	<b>0</b>	<b>8</b>	
<b>Net Total</b>	<b>80x1=80</b>	<b>10x4=40</b>	<b>120</b>	<b>8x9=72</b>	<b>0</b>	<b>8x6=48</b>	<b>120</b>
<b>Internal Assessment Marks*</b>	<b>30</b>			<b>30</b>			
<b>Grand Total</b>	<b>150</b>			<b>150</b>			

## Table of Specification

<b>Block 1 Internal Assessment for Theory Examination – 30 Marks</b>		
<b>Scoring Parameter</b>	<b>Percentage Allocation</b>	<b>Marks Allocation</b>
Attendance in lectures*	20%	6
Block Examination (Theory)	50%	15
Continuous Assessment (Class Tests, Mock Exam, Assignments, Attitudes)	30%	9
<b>Total</b>	<b>100%</b>	<b>30</b>
* Attendance Marks will be according to the following criteria: 1. if 85 % = Eligible 2. if $> 90\% \leq 93\%$ = 3 marks 3. if $> 93\% \leq 95\%$ = 5 marks 3. if $> 95\%$ = 6 marks		
<b>Block 1 Internal Assessment for Practical/ Tutorials Examination – 30 Marks</b>		
<b>Scoring Parameter</b>	<b>Percentage Allocation</b>	<b>Marks Allocation</b>
Attendance in Practicals/ Tutorials*	20%	6
Block Examination (Practical/ Oral Examination)	50%	15
Continuous Assessment/ Log Books / Practical Notebooks/ Assignments / Attitudes	30%	9
<b>Total</b>	<b>100%</b>	<b>30</b>
* Attendance Marks will be according to the following criteria 1. if 85 % = Eligible 2. if $> 90\% \leq 93\%$ = 3 marks 3. if $> 93\% \leq 95\%$ = 5 marks 3. if $> 95\%$ = 6 marks		



## Recommended Books & Reading Resources

### **Block 1: Learning Resources**

Subject	Learning Resources
<b>Oral Biology</b>	<ol style="list-style-type: none"><li>1. Nanci, A. (2024). Ten Cate's Oral Histology, Development, Structure, and Function (10th ed.). Elsevier Health Sciences.</li><li>2. Berkovitz, B. K., Holland, G. R., &amp; Moxham, B. J. (2017). Oral Anatomy, Histology, and Embryology (5th ed.). Elsevier Health Sciences.</li><li>3. Kumar, G. S. (2023). Orban's Oral Histology &amp; Embryology (13th ed.). Elsevier Health Sciences.</li><li>4. Fuller, J. L. (4th ed.). Concise Dental Anatomy &amp; Morphology.</li><li>5. Nelson, S. J. (2015). Wheeler's Dental Anatomy, Physiology and Occlusion (1st SAE).</li></ol>
<b>General Anatomy, Histology &amp; Embryology</b>	<ol style="list-style-type: none"><li>1. Junqueira's Basic Histology: Text and Atlas (17th ed.)</li><li>2. Wheater's Functional Histology</li><li>3. Siddiqui, L. H. Medical Histology: Text and Atlas</li><li>4. General Anatomy by Laiq Hussain Siddiqui</li><li>5. Langman's Medical Embryology (15th ed.)</li><li>6. The Developing Human (10th ed.) by Moore et al.</li></ol>
<b>Physiology</b>	<ol style="list-style-type: none"><li>1. Guyton &amp; Hall. Textbook of Medical Physiology (14th ed.).</li></ol>
<b>Biochemistry</b>	<ol style="list-style-type: none"><li>1. Harper's Illustrated Biochemistry (32nd ed.) by Rodwell et al.</li><li>2. Lippincott Illustrated Reviews: Biochemistry (8th ed.) by Abali et al.</li></ol>
<b>Pathology &amp; Microbiology</b>	<ol style="list-style-type: none"><li>1. Robbins &amp; Cotran Pathologic Basis of Disease</li><li>2. Review of Medical Microbiology and Immunology by Levinson</li><li>3. Textbook of Pathology by Walter &amp; Israel</li></ol>
<b>Pharmacology</b>	<ol style="list-style-type: none"><li>1. Katzung &amp; Trevor's Pharmacology Examination &amp; Board Review (12th ed.)</li><li>2. Lippincott Illustrated Reviews: Pharmacology (7th ed.)</li></ol>

<b>Community Oral Health</b>	<ol style="list-style-type: none"> <li>1. Textbook of Preventive and Community Dentistry by S.S. Hiremath</li> <li>2. Community Oral Health by Cynthia Pine &amp; Rebecca Harris</li> </ol>
<b>Oral Pathology</b>	<ol style="list-style-type: none"> <li>1. Contemporary Oral and Maxillofacial Pathology by Wysocki, Sapp &amp; Eversole</li> <li>2. Cawson's Essentials of Oral Pathology &amp; Oral Medicine</li> </ol>
<b>Operative Dentistry</b>	<ol style="list-style-type: none"> <li>1. Sturdevant's Art and Science of Operative Dentistry</li> <li>2. Summitt's Fundamentals of Operative Dentistry</li> <li>3. Dental Caries: The Disease and Its Clinical Management by Fejerskov &amp; Kidd</li> </ol>
<b>Behavioral Sciences</b>	<ol style="list-style-type: none"> <li>1. Hand book of Behavioral sciences, by MH Rana, 3rd ed.</li> <li>2. Humayun A., Herbert M. (2010). Integrating behavioural sciences in healthcare. Islamabad: HEC.</li> </ol>

## 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 registered under the Societies Act with the Registrar of Societies. The Trust is legalized through a Trust Deed that bears necessary rectifications. The Trust Deed is further supported by its Memorandum and Article of Association that authorizes 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.

### 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, to facilitate hands-on learning.
4.	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 facilitates 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	<p>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</p> <p>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.</p> <p>Two 50- inch LCD screens provide students an opportunity to get entertained during their meal times.</p>
8.	Gymnasium & Sports	<p>We recognize sports as a pivotal key to shape and maintain students' personality and good health. The College has indoor and outdoor sports facilities to help enhance the cognition and capacity to learn. There is a proper sports section for various games like basketball, football, volleyball, and cricket.</p> <p>The gym itself is fully equipped with modern machinery both for students and faculty.</p>
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.

## 7-Star Doctor Competencies (PMDC)

According to 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.

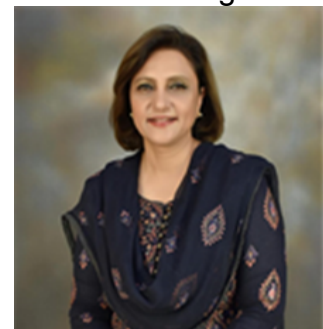
1. Skillful / Care Provider.
2. Knowledgeable / Decision Maker.
3. Community Health Promoter / Community Leader.
4. Critical Thinker / Communicator
5. Professional / Lifelong learner.
6. Scholar / Researcher
7. Leader/ Role Model / Manager

### 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 currently are serving in the country and abroad while several have opted for post-graduation and are on road to progress. We have achieved several milestones since 2009 including the recognition of our College for FCPS training by College of Physicians and Surgeons of Pakistan (CPSP), establishment of College of Nursing and Avicenna Dental College.

Principal

**Prof. Dr. Gulfreem 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-profitable, 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 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





## **Avicenna Medical & Dental College**



### **Vision**

The vision of **Avicenna Medical & Dental College** is to become a college that thrives to achieve improvement in healthcare of masses through creative delivery of educational programs, innovative research, commitment to public service and community engagement in a environment that supports diversity, inclusion, creative thinking, social accountability, life-long learning and respect for all.

### **Mission**

The mission of **Avicenna Medical and Dental College** is to educate and produce competent, research oriented healthcare professionals with professional commitment and passion for life-long learning from a group of motivated students through quality education, research and service delivery for the improvement of health status of the general population.