

AVICENNA MEDICAL & DENTAL COLLEGE

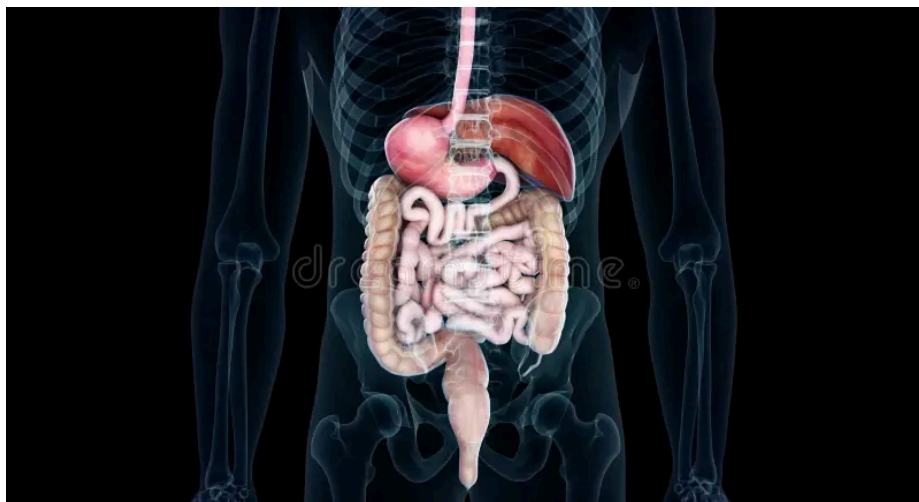


# STUDY GUIDE

## 2025

# Gastrointestinal Tract

## BLOCK 3 - MODULE 8



**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 Gastrointestinal (GI) Tract module has been designed to integrate foundational biomedical knowledge with clinical application, fostering a comprehensive understanding of this essential system.
- This module is pivotal for dental students to understand the interrelationship between systemic health and oral conditions, enabling them to provide holistic patient care.

1. Anatomical and Physiological Correlation: Dental practitioners must understand the intricate anatomy and physiology of the GI system to effectively interpret oral signs of systemic diseases.

2. Systemic Interrelations: Disorders such as gastroesophageal reflux disease (GERD) often present with oral symptoms, including halitosis, xerostomia, and mucosal lesions. This module emphasizes the bidirectional relationship between oral and systemic health.

3. Oral Complications of GI and UG Disorders: The module highlights conditions such as:  
 o Peptic ulcers and their implications for prescribing NSAIDs in dental practice.  
 o Hormonal influences from the GI system affecting periodontal health.

4. Pharmacological Considerations: To understand the dental implications of drugs commonly prescribed for GI conditions, such as proton pump inhibitors, and antacids.  
 Public Health Perspective: To inculcate awareness regarding the prevalence of malnutrition, dehydration, and infections related to the GI system and their impact on oral and systemic health in the community.

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 3 – MODULE 8**

Module Coordinator		
Anatomy - Prof. Dr. Nahid		
Module Committee Members		
1	Anatomy	Dr. Kanwal Khalid
2	Oral Biology & Tooth Morphology	Prof. Dr. Sana Chaudhry
3	Physiology	Dr. Syedda Amina Rizvi
4	Biochemistry	Dr. Yusra
5	Pharmacology	Dr Rubina Iqbal
6	General Pathology & Microbiology	Dr Ishrat
7	Oral Pathology	Dr Abdul Razzaq, Dr Ummer Amin
8	Community Dentistry	Dr Momin Ali



## 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 8 Timetable BDS 1st Year - D24								
Week - 30 1st December 2025 to 5th December 2025								
Day & Time	8:00 to 9:00	9:00 to 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
1st December 2025	General Pathology & Microbiology (Theory) Code: GIT-Pa-001 Topic: GERD Facilitator: Dr. Ujala Dental Lecture Hall - 1	Pharmacology (Theory) Code: GIT-Pb-001 Topic: Acid Peptic disease Facilitator: Dr. Rubina iqbal Dental Lecture Hall - 1	Physiology (Theory) Code: GIT-P-001 Topic: General Principles of GIT Function- Motility, Nervous Control Facilitator: Dr. Amina Dental Lecture Hall - 1	Break	Oral Biology (Theory) Code: GT-OB-001 Topic: Oral Mucosa Facilitator: Prof. Dr. Raheela Dental Lecture Hall - 1	Anatomy (Theory) Code: GIT-A001 Topic: Oral Cavity Anatomy Facilitator: Dr. Kamwal Dental Lecture Hall - 1	Pharmacology (Practical) Code: GIT-Pb-004 Topic: Preparation of Carminative Mixtures Facilitator: Dr. Sara Department Lab	Anatomy (Theory) (Tutorial) Code: GIT-A001 Topic: Oral Cavity Anatomy Facilitator: Dr. Sarwat Dental Lecture Hall - 1
Tuesday 2nd December 2025	Biochemistry (Theory) Code: GIT-B-004 Topic: Digestion & Absorption Facilitator: Prof. Dr. Haroon Habib Dental Lecture Hall - 1	General Pathology & Microbiology (Theory) Code: GIT-Pa-002 Topic: Peptic Ulcer Facilitator: Dr. Ujala Dental Lecture Hall - 1	Anatomy (Theory) Code: GIT-A002 Topic: Tongue Structure and Vascular Supply Facilitator: Prof. Dr. Nahid Dental Lecture Hall - 1	Break	Physiology (Theory) Code: GIT-P-001 Topic: General Principles of GIT Function- Motility, Nervous Control Facilitator: Dr. Hafsa Dental Lecture Hall - 1	Oral Biology (Theory) Code: GT-OB-001 Topic: Oral Mucosa Facilitator: Prof. Dr. Raheela Dental Lecture Hall - 1	Physiology (Practical) Code: GIT-P-013 Topic: Cranial Nerve V (Trigeminal) Examination Facilitator: Dr. Tahir Department Lab	Anatomy (Theory) (Tutorial) Code: GIT-A002 Topic: Tongue Structure and Vascular Supply Facilitator: Dr. Sarwat Dental Lecture Hall - 1
Wednesday 3rd December 2025	Anatomy (Theory) Code: GIT-A015 Topic: Oral Cavity Facilitator: Dr. Kamwal Dental Lecture Hall - 1	Biochemistry (Theory) Code: GIT-B-001 Topic: Saliva Facilitator: Prof. Dr. Haroon Habib Dental Lecture Hall - 1	General Pathology & Microbiology (Theory) Code: GIT-Pa-002 Topic: Peptic Ulcer Facilitator: Dr. Ujala Dental Lecture Hall - 1	Break	Oral Biology (Theory) Code: GT-OB-001 Topic: Oral Mucosa Facilitator: Prof. Dr. Sana Dental Lecture Hall - 1	Physiology (Theory) Code: GIT-P-002 Topic: Neural control of GIT Function (Enteric Nervous system) GIT Hormones Facilitator: Dr. Tooba Dental Lecture Hall - 1	Anatomy (Practical) Code: GIT-A-015 Topic: Microscopic Structure of Lip Facilitator: Dr. Sarwat Department Lab	Islamiat (Theory) Topic: Zakat Facilitator: Ms. Amna Dental Lecture Hall - 1
Thursday 4th December 2025	Oral Biology (Theory) Code: GT-OB-001 Topic: Oral Mucosa Facilitator: Prof. Dr. Sana Dental Lecture Hall - 1	Physiology (Theory) Code: GIT-P-002 Topic: Neural control of GIT Function (Enteric Nervous system) GIT Hormones Facilitator: Dr. Nida Dental Lecture Hall - 1	Anatomy (Theory) Code: GIT-A-016 Topic: Oral Cavity Facilitator: Prof. Dr. Nahid Dental Lecture Hall - 1	Break	Pharmacology (Theory) Code: GIT-Pb-001 Topic: Acid Peptic disease Facilitator: Dr. Rubina iqbal Dental Lecture Hall - 1	Anatomy (Theory) Code: GIT-A-016 Topic: Microscopic Structure of Tongue Facilitator: Dr. Sarwat Dental Lecture Hall - 1	Oral Biology (Practical) Code: GIT-A-017 Topic: Oral Epithelium and Specialized Mucosa Facilitator: Dr. Anushay / Dr. Faseeh Department Lab	Pakistan Studies Topic: Province of Pakistan Facilitator: Ms. Amna Dental Lecture Hall - 1
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	
Friday 5th December 2025	Community Dentistry (Theory) Code: GIT-CD001 Topic: Epidemiology of obesity and related issues Facilitator: Dr. Syeda Tahira Dental Lecture Hall - 1	Oral Pathology (Theory) Code: GIT-OP-001 Topic: Abnormalities of salivary secretions Facilitator: Dr. Momin Ayub Marath Dental Lecture Hall - 1	Biochemistry (Theory) Code: GIT-B-004 Topic: Digestion & Absorption Facilitator: Prof. Dr. Haroon Habib Dental Lecture Hall - 1	General Pathology & Microbiology (Theory) Code: GIT-Pa-003 Topic: IBD Facilitator: Dr. Ujala Dental Lecture Hall - 1	Anatomy (Theory) Code: GIT-A-016 Topic: Oral Cavity Facilitator: Prof. Dr. Nahid Dental Lecture Hall - 1	Jumma Break	Holy Quran Topic: Divine Books Facilitator: Ms. Amna Dental Lecture Hall - 1	

Module B Timetable BDS 1st Year - D24								
Week - 31 8th December 2025 to 12th December 2025								
Day & Time	8:00 to 9:00	9:00 to 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
Monday 8th December 2025	General Pathology & Microbiology (Theory) Code: GIT-Mic-001 Topic: Oral lesions Facilitator: Dr. Hina Dental Lecture Hall - 1	Pharmacology (Theory) Code: GIT-Ph-001 Topic: Acid Peptic disease Facilitator: Dr. Iqra Ijaz Dental Lecture Hall - 1	Physiology (Theory) Code: GIT-P-002 Topic: Neural control of GIT Function (Enteric Nervous system) GIT Hormones Facilitator: Prof. Dr. Sadia Dental Lecture Hall - 1	Break	Oral Biology (Theory) Code: GIT-OB-003 Topic: Physiology of Taste Facilitator: Integrated with Physiology Dental Lecture Hall - 1	Anatomy (Theory) Code: GIT-A-004, GIT-A-005 Topic: Palate Anatomy and Neurovascular Supply, Muscles of Soft Palate Facilitator: Dr. Kamwal Dental Lecture Hall - 1	Pharmacology (Practical) Code: GIT-Ph-004 Topic: Preparation of Carminative Mixtures Facilitator: Dr. Sara Department Lab	Anatomy (Theory) Code: GIT-A-004, GIT-A-005 Topic: Palate Anatomy and Neurovascular Supply, Muscles of Soft Palate Facilitator: Dr. Sarwat Dental Lecture Hall - 1
Tuesday 9th December 2025	Biochemistry (Theory) Code: GIT-B-004 Topic: Digestion and absorption Facilitator: Dr. Sadia Khalil Dental Lecture Hall - 1	General Pathology & Microbiology (Theory) Code: GIT-Mic-002 Topic: Diarrhoea causing organisms Facilitator: Dr. Hina Dental Lecture Hall - 1	Anatomy (Theory) Code: GIT-A-003 Topic: Extracranial Cranial Nerve Anatomy and Lesions Facilitator: Prof. Dr. Nahid Dental Lecture Hall - 1	Break	Physiology (Theory) Code: GIT-P-002 Topic: Neural control of GIT Function (Enteric Nervous system) GIT Hormones Facilitator: Dr. Tooba Dental Lecture Hall - 1	Oral Biology (Theory) Code: GIT-OB-005 Topic: Physiology of Mastication Facilitator: Prof. Dr. Sara Dental Lecture Hall - 1	Physiology (Practical) Code: GIT-P-014 Topic: Cranial Nerve IX (Glossopharyngeal) Examination Facilitator: Dr. Shaista Department Lab	Anatomy (Theory) Code: GIT-A-003 Topic: Extracranial Cranial Nerve Anatomy and Lesions Facilitator: Dr. Sarwat Dental Lecture Hall - 1
Wednesday 10th December 2025	Anatomy (Theory) Code: GIT-A-006, GIT-A-007 Topic: Salivary Glands Anatomy and Neurovascular Supply, Parotid Gland Clinical Correlates Facilitator: Dr. Kamwal Dental Lecture Hall - 1	Biochemistry (Theory) Code: GIT-B-004 Topic: Digestion and absorption Facilitator: Dr. Sadia Khalil Dental Lecture Hall - 1	General Pathology & Microbiology (Theory) Code: GIT-Mic-002 Topic: Diarrhoea causing organisms Facilitator: Dr. Hina Dental Lecture Hall - 1	Break	Oral Biology (Theory) Code: GIT-OB-004 Topic: Saliva Facilitator: Dr. Raheela Dental Lecture Hall - 1	Physiology (Theory) Code: GIT-P-002 Topic: Neural control of GIT Function (Enteric Nervous system) GIT Hormones Facilitator: Integrated with Pharmacology, Dr. Iqra Dental Lecture Hall - 1	Anatomy (Practical) Code: GIT-A-003 Topic: Extracranial Cranial Nerve Anatomy and Lesions Facilitator: Dr. Kamwal Department Lab	Islamiat (Theory) Topic: Concept of Ruk' u Halal Facilitator: Ms. Amna Dental Lecture Hall - 1
Thursday 11th December 2025	Oral Biology (Theory) Code: GIT-OB-004 Topic: Saliva Facilitator: Dr. Raheela Dental Lecture Hall - 1	Physiology (Theory) Code: GIT-P-003 Topic: Functional types of movements in the GI Tract Facilitator: Dr. Hafsa Dental Lecture Hall - 1	Anatomy (Theory) Code: GIT-A-006, GIT-A-007 Topic: Salivary Glands Anatomy and Neurovascular Supply, Parotid Gland Clinical Correlates Facilitator: Dr. Sarwat Dental Lecture Hall - 1	Break	Pharmacology (Theory) Code: GIT-Ph-001 Topic: Acid Peptic disease Facilitator: Dr. Iqra Ijaz Dental Lecture Hall - 1	Anatomy (Theory) Code: GIT-A-006, GIT-A-008 Topic: Salivary Glands Anatomy and Neurovascular Supply, Submandibular and Otic Ganglia Facilitator: Prof. Dr. Nahid Dental Lecture Hall - 1	Oral Biology (Practical) Code: GIT-A-018 Topic: Taste Bud Structure and Tongue Sensory Map Facilitator: Dr. Anushey / Dr. Faseeh Department Lab	Pakistan Studies (Theory) Topic: Rights of public Facilitator: Ms. Amna Dental Lecture Hall - 1
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	
Friday 12th December 2025	Oral Pathology (Theory) Code: GIT-OP-001 Topic: Abnormalities of salivary secretions Facilitator: Dr. Sultan Muhammad Wahid Dental Lecture Hall - 1	Community Dentistry (Theory) Code: GIT-CD001 Topic: Epidemiology of obesity and related issues Facilitator: Dr. Syeda Tahira Dental Lecture Hall - 1	Biochemistry (Theory) Code: GIT-B-004 Topic: Digestion and absorption Facilitator: Dr. Sadia Khalil Dental Lecture Hall - 1	Pharmacology (Practical) Code: GIT-Ph-004 Topic: Preparation of Carminative Mixtures Facilitator: Dr. Sara Department Lab	Anatomy (Theory) Code: GIT-A-006, GIT-A-008 Topic: Salivary Glands Anatomy and Neurovascular Supply, Submandibular and Otic Ganglia Facilitator: Dr. Sarwat Dental Lecture Hall - 1	Jummah Break	Holy Quran (Theory) Topic: Angels Facilitator: Ms. Amna Dental Lecture Hall - 1	

Module 8 Timetable								
BDS 1st Year - D24								
Week - 32								
15th December 2025 to 19th December 2025								
Day & Time	8:00 to 9:00	9:00 to 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
Monday 15th December 2025	General Pathology & Microbiology (Theory) Code: GIT-Mic-002 Topic: Diarrhoea causing organisms Facilitator: Dr. Hira Dental Lecture Hall - 1	Pharmacology (Theory) Code: GIT-Ph-002 Topic: Antiemetics and Prokinetics Facilitator: Dr. Rubina Iqbal Dental Lecture Hall - 1	Physiology (Theory) Code: GIT-P-004 Topic: Esophagus Facilitator: Integrated with Pathology- Dr. Nabila Dental Lecture Hall - 1	Break	Oral Biology (Theory) Code: GIT-OB-003 Topic: Salivary glands Facilitator: Dr. Raheela Dental Lecture Hall - 1	Anatomy (Theory) Code: GIT-A-009 Topic: Pharynx Anatomy and Neurovascular Supply Facilitator: Dr. Kamwal Dental Lecture Hall - 1	Pharmacology (Practical) Code: GIT-Ph-005 Topic: Preparation of Oral Rehydration Solution Facilitator: Dr. Sidra Department Lab	Anatomy (Theory) Code: GIT-A-009 Topic: Pharynx Anatomy and Neurovascular Supply Facilitator: Dr. Sarwat Dental Lecture Hall - 1
Tuesday 16th December 2025	Biochemistry (Theory) Code: GIT-B-004 Topic: Digestion and Absorption Facilitator: Dr. Yusra Dental Lecture Hall - 1	General Pathology & Microbiology (Theory) Code: GIT-Mic-002 Topic: Diarrhoea causing organisms Facilitator: Dr. Hira Dental Lecture Hall - 1	Anatomy (Theory) Code: GIT-A-010 Topic: Muscles of Pharynx Facilitator: Prof. Dr. Nahid Dental Lecture Hall - 1	Break	Physiology (Theory) Code: GIT-P-005 & GIT-P-006 Topic: Role of mucous and saliva, Vomiting Reflex Facilitator: Dr. Nida Dental Lecture Hall - 1	Oral Biology (Theory) Code: GIT-OB-003 Topic: Salivary glands Facilitator: Dr. Raheela Dental Lecture Hall - 1	Physiology (Practical) Code: GIT-P-015 Topic: Cranial Nerve X (Vagus) Examination Facilitator: Dr. Nida Department Lab	Anatomy (Theory) Code: GIT-A-010 Topic: Muscles of Pharynx Facilitator: Dr. Sarwat Dental Lecture Hall - 1
Wednesday 17th December 2025	Anatomy (Theory) Code: GIT-A-011 Topic: Palatine Tonsil Anatomy and Vascular Supply Facilitator: Dr. Kamwal Dental Lecture Hall - 1	Biochemistry (Theory) Code: GIT-B-004 Topic: Digestion and Absorption Facilitator: Dr. Yusra Dental Lecture Hall - 1	General Pathology & Microbiology (Tutorial) Code: GIT-Pa-001 Topic: GERD Facilitator: Demonstrator Dental Lecture Hall - 1	Break	Oral Biology (Theory) Code: GIT-OB-005 Topic: Physiology of Mastication Facilitator: Dr. Sana Dental Lecture Hall - 1	Physiology (Theory) Code: GIT-P-007 Topic: Motor function of Stomach Facilitator: Dr. Amina Dental Lecture Hall - 1	Anatomy (Practical) Code: GIT-A-011 Topic: Palatine Tonsil Anatomy and Vascular Supply Facilitator: Dr. Sarwat Department Lab	Islamiyat (Theory) Topic: Importance of Fast Facilitator: Ms. Amna Dental Lecture Hall - 1
Thursday 18th December 2025	Oral Biology (Theory) Code: GIT-OB-005 Topic: Physiology of Mastication Facilitator: Dr. Sana Dental Lecture Hall - 1	Physiology (Theory) Code: GIT-P-008 Topic: Gastric secretion Facilitator: Prof. Dr. Shahina Dental Lecture Hall - 1	Anatomy (Theory) Code: GIT-A-012 Topic: Piriform Fossa and Tonsils Clinical Correlates Facilitator: Prof. Dr. Nahid Dental Lecture Hall - 1	Break	Pharmacology (Theory) Code: GIT-Ph-002 Topic: Antiemetics and Prokinetics Facilitator: Dr. Rubina Iqbal Dental Lecture Hall - 1	Anatomy (Theory) Code: GIT-A-013, GIT-A-014 Topic: Waldeyer's Ring of Lymphatic Tissue, Cervical Esophagus Anatomy and Neurovascular Supply Facilitator: Dr. Kamwal Dental Lecture Hall - 1	Oral Biology (Practical) Code: GIT-A-019 Topic: Tongue Papillae and Taste Bud Identification, Salivary Gland Histology Facilitator: Dr. Anushey / Dr. Faseeh Department Lab	Pakistan Studies (Theory) Topic: Social Problems Facilitator: Ms. Amna Dental Lecture Hall - 1
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	
Friday 19th December 2025	Oral Pathology (Theory) Code: GIT-OP-002 Topic: Aphthous ulcers Facilitator: Dr. Sultan Muhammad Wahid Dental Lecture Hall - 1	Oral Biology (Theory) Code: GIT-OB-005 Topic: Physiology of Mastication Facilitator: Dr. Sana Dental Lecture Hall - 1	PROSME (Behavioural Sciences) (Theory) Topic: Dentist's Role in Public Advocacy Facilitator: Dr. Neurose Dental Lecture Hall - 1	Oral Pathology (Theory) Code: GIT-OP-002 Topic: Aphthous ulcers Facilitator: Dr. Momin Ayub Marath Dental Lecture Hall - 1	Anatomy (Theory) Code: GIT-A-013, GIT-A-014 Topic: Waldeyer's Ring of Lymphatic Tissue, Cervical Esophagus Anatomy and Neurovascular Supply Facilitator: Dr. Kamwal Dental Lecture Hall - 1	Jumma Break	Holy Quran (Theory) Topic: Universal Role of Angels Facilitator: Ms. Amna Dental Lecture Hall - 1	



Module 8 Timetable								
BDS 1st Year - D24								
Week - 33								
29th December 2025 to 2nd January 2026								
Day & Time	8:00 to 9:00	9:00 to 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
Monday  29th December 2025	<b>General Pathology &amp; Microbiology (Theory)</b> Code: GIT-Mic-002 Topic: Diarrhoea causing organisms Facilitator: Dr. Hira Dental Lecture Hall - 1	<b>Pharmacology (Theory)</b> Code: GIT-Ph-003 Topic: Laxatives, antidiarrheals Facilitator: Dr. Iqra Ijaz Dental Lecture Hall - 1	<b>Physiology (Theory)</b> Code: GIT-P-010 Topic: Pathophysiology of stomach Facilitator: Integrated with Pathology- Dr. Nabila Dental Lecture Hall - 1	Break	<b>Oral Biology (Theory)</b> Code: GIT-OB-005 Topic: Physiology of Mastication Facilitator: Prof. Dr. Sana Dental Lecture Hall - 1	<b>Anatomy (Theory)</b> Code: GIT-A-001, GIT-A-002 Topic: Oral Cavity Anatomy, Tongue Structure and Vascular Supply Facilitator: Dr. Kamal Dental Lecture Hall - 1	<b>Pharmacology (Practical)</b> Code: GIT-Ph-006 Topic: Preparation of IV Solutions Facilitator: Dr. Fatma Department Lab	<b>Anatomy (Theory)</b> Code: GIT-A-004, GIT-A-005 Topic: Palate Anatomy and Neurovascular Supply, Muscles of Soft Palate Facilitator: Dr. Sarwat Dental Lecture Hall - 1
Tuesday  30th December 2025	<b>Biochemistry (Theory)</b> Code: GIT-B-004 Topic: Digestion and Absorption Facilitator: Dr. Yusra Dental Lecture Hall - 1	<b>General Pathology &amp; Microbiology (Theory)</b> Code: GIT-Mic-002 Topic: Diarrhoea causing organisms Facilitator: Dr. Hira Dental Lecture Hall - 1	<b>Anatomy (Theory)</b> Code: GIT-A-006, GIT-A-007, GIT-A-008 Topic: Salivary Glands Anatomy and Neurovascular Supply, Parotid Gland Clinical Correlates, Submandibular and Otic Ganglia Facilitator: Prof. Dr. Nahid Dental Lecture Hall - 1	Break	<b>Physiology (Theory)</b> Code: GIT-P-010 Topic: Pathophysiology of stomach Facilitator: Integrated with Pathology- Dr. Nabila Dental Lecture Hall - 1	<b>Oral Biology (Theory)</b> Code: GIT-OB-006 Topic: Physiology of Swallowing Facilitator: Prof. Dr. Sana Dental Lecture Hall - 1	<b>Physiology (Practical)</b> Code: GIT-P-016 Topic: Cranial Nerve XII (Vagus) Examination Facilitator: Dr. Fahad Department Lab	<b>Anatomy (Theory)</b> Code: GIT-A-009, GIT-A-010 Topic: Pharynx Anatomy and Neurovascular Muscles of Pharynx Supply Facilitator: Dr. Sarwat Dental Lecture Hall - 1
Wednesday  31st December 2025	<b>Anatomy (Theory)</b> Code: GIT-A-011, GIT-A-012, GIT-A-013 Topic: Palatine Tonsil Anatomy and Vascular Supply, Piriform Fossa and Tonsils Clinical Correlates, Waldeyer's Ring of Lymphatic Tissue Facilitator: Dr. Kamal Dental Lecture Hall - 1	<b>Biochemistry (Theory)</b> Code: GIT-B-004 Topic: Digestion and Absorption Facilitator: Dr. Yusra Dental Lecture Hall - 1	<b>General Pathology &amp; Microbiology (Tutorial)</b> Code: GIT-Pa-001 Topic: GERD Facilitator: Demonstrator Dental Lecture Hall - 1	Break	<b>Oral Biology (Theory)</b> Code: GIT-OB-003 Topic: Salivary glands Facilitator: Dr. Rahela Dental Lecture Hall - 1	<b>Physiology (Theory)</b> Code: GIT-P-011 Topic: Movements of the small intestine General Facilitator: Dr. Amina Dental Lecture Hall - 1	<b>Anatomy (Practical)</b> Code: GIT-A-015, GIT-A-016 Topic: Microscopic Structure of Lip & Tongue Facilitator: Dr. Sarwat Department Lab	<b>Islamiat (Theory)</b> Topic: Importance of Fast Facilitator: Ms. Amna Dental Lecture Hall - 1
Thursday  1st January 2026	<b>Oral Biology (Theory)</b> Code: GIT-OB-003 Topic: Salivary glands Facilitator: Dr. Rahela Dental Lecture Hall - 1	<b>Physiology (Theory)</b> Code: GIT-P-012 Topic: Movements of the Colon Facilitator: Dr. Hafsa Dental Lecture Hall - 1	<b>Anatomy (Theory)</b> Code: GIT-A-003 Topic: Extracranial Cranial Nerve Anatomy and Lesions Facilitator: Prof. Dr. Nahid Dental Lecture Hall - 1	Break	<b>Pharmacology (Theory)</b> Code: GIT-Ph-003 Topic: Laxatives, antidiarrheals Facilitator: Dr. Iqra Ijaz Dental Lecture Hall - 1	<b>Anatomy (Theory)</b> Code: GIT-A-003 Topic: Extracranial Cranial Nerve Anatomy and Lesions Facilitator: Prof. Dr. Nahid Dental Lecture Hall - 1	<b>Oral Biology (Practical)</b> Code: GIT-A-021 Topic: Swallowing Mechanism Stages Facilitator: Dr. Anushay / Dr. Faveesh Department Lab	<b>Pakistan Studies (Theory)</b> Topic: Social Problems Facilitator: Ms. Amna Dental Lecture Hall - 1
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	
Friday  2nd January 2026	Assessment Slot	Assessment Slot	Assessment Slot	Assessment Slot	<b>PRISME (Behavioural Sciences) (Theory)</b> Topic: Dentist's Role in Public Advocacy Facilitator: Dr. Naurose Dental Lecture Hall - 1	Jummah Break	<b>Holy Quran (Theory)</b> Topic: Facilitator: Dental Lecture Hall - 1	
Module Exam 8								

## Allocation of Hours

### 1st Year BDS - D24

#### Block 3 - Module 8

Sr.	Subjects	Theory Hours	Practical Hours	Total Hours
1	Anatomy	30	4	34
2	Oral Biology & Tooth Morphology	15	5	20
3	Physiology	15	4	19
4	Biochemistry	10	0	10
5	Pharmacology	8	5	13
6	General Pathology & Microbiology	13	0	13
7	Oral Pathology	4	0	4
8	Community Dentistry	2	0	2
TOTAL		97	18	115

## Modular Outcomes

Module Name	Modular Outcomes
Block 3 Module 8 Gastrointestinal Tract	<ul style="list-style-type: none"><li>• Describe in detail Oral Cavity functions and its regulations Demonstrate a functional understanding of GI system anatomy, physiology, pathology and biochemistry.</li><li>• Discuss the anatomy, development, histological structure, and functions of salivary glands.</li><li>• Describe the functional physiological anatomy of the GI system and its associated structures.</li><li>• Explain the movements, secretions, and regulations of gastrointestinal functions.</li><li>• Describe common pathological conditions like Peptic Ulcers, Ulcerative Colitis &amp; Irritable Bowel Syndrome.</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		30	Oral Biology	1	1	Theory (Lecture)	Oral Mucosa	GT-OB-001	Describe the introduction to oral mucosa Explain the morphological and histological structure of oral mucosa.	1	Ten Cate's Oral Histology: Development, Structure, and Function	Dr Raheela
2024-2025		30	Oral Biology	1	2	Theory (Lecture)	Oral Mucosa	GT-OB-001	Describe and explain the component tissues and glands of oral mucosa. Enumerate and discuss the details of the non-keratinocytes in the oral epithelium and lamina propria. Discuss the vasculature and innervations of	1	Ten Cate's Oral Histology: Development, Structure, and Function	Dr Raheela



									oral mucosa along with the structural variations observed in it.			
2024-2025		30	Oral Biology	1	3	Theory (Lecture)	Oral Mucosa	GIT-OB-001	Explain the mucocutaneous junctions in the oral mucosa.	1	Ten Cate's Oral Histology: Development, Structure, and Function	Dr Sana
2024-2025		30	Oral Biology	1	4	Theory (Lecture)	Oral Mucosa	GIT-OB-001	Describe the age-related changes in oral mucosa	1	Ten Cate's Oral Histology: Development, Structure, and Function	Dr Sana
2024-2025		30	Oral Biology	1	1	Practical	Oral Epithelium and Specialized Mucosa	GIT-A-017	Draw and label the keratinized and non-keratinized oral epithelium, specialized mucosa including tongue papillae and mucocutaneous junction.	1	Ten Cate's Oral Histology: Development, Structure, and Function	Dr Anushey / Dr Faseeh
2024-2025		30	Anatomy	1	1	Theory (Lecture)	Oral Cavity Anatomy	GIT-A001	Describe the parts and	1	Snell's Clinical Anatomy By	Dr. Kanwal

									boundaries of oral cavity.		Regions 10th Edition	
2024-2025		30	Anatomy	1	2	Theory (Tutorial)	Oral Cavity Anatomy	GIT-A001	Describe the parts and boundaries of oral cavity.	1	322 8400974	Dr. Sarwat
2024-2025		30	Anatomy	1	3	Theory (Lecture)	Tongue Structure and Vascular Supply	GIT-A002	Describe the anatomical features of tongue with emphasis on its musculature, vascular supply and lymphatic drainage.	1	Snell's Clinical Anatomy By Regions 10th Edition	Prof. Dr. Nahid
2024-2025		30	Anatomy	1	4	Theory (Tutorial)	Tongue Structure and Vascular Supply	GIT-A002	Describe the anatomical features of tongue with emphasis on its musculature, vascular supply and lymphatic drainage.	1	Snell's Clinical Anatomy By Regions 10th Edition	Dr. Sarwat
		30	Anatomy	1	5	Theory (Lecture)	Oral Cavity	GIT-A015	Describe the light microscopic structure of lip Describe the light microscopic		Medical Histology By Laiq Hussain Siddiqui	Dr. Kanwal

									structure of Tongue			
2024-2025		30	Anatomy	1	6	Practical	Microscopic Structure of Lip	GIT-A-015	Identify under light microscope and draw and label the light microscopic structure of lip.	1	Snell's Clinical Anatomy By Regions 10th Edition	Dr. Sarwat
2024-2025		30	Anatomy	1	7	Theory (Lecture)	Oral Cavity	GIT-A-016	Describe the development of tongue	1	Langman's Medical Embryology	Prof. Dr. Nahid
2024-2025		30	Anatomy	1	8	Practical	Microscopic Structure of Tongue	GIT-A-016	Identify under light microscope and draw and label the light microscopic structure of tongue.	1	Medical Histology By Laiq Hussain Siddiqui	Dr. Sarwat
2024-2025		30	Physiology	1	1	Theory Lecture	General Principles of GIT Function-Motility, Nervous Control	GIT-P-001	Describe physiologic anatomy of gastrointestinal tract. Discuss electrical activity of smooth muscles of GIT.	1	Guyton and Hall Textbook of Physiology 14th Edition	Dr. Amina

2024-2 025		30	Physiology	1	2	Theory Lecture	General Principles of GIT Function- Motility, Nervous Control	GIT-P-00 1	Describe the mechanism of excitation of smooth muscle of gastrointestinal tract. Discuss the factors that depolarize and hyperpolarize GI membrane.	1	Guyton and Hall Textbook of Physiology 14th Edition	Dr. Hafsa
2024-2 025		30	Physiology	1	3	Theory Lecture	Neural control of GIT Function (Enteric Nervous system) GIT Hormones	GIT-P-00 2	Describe the role of autonomic nervous system in regulation of GIT's function.	1	Guyton and Hall Textbook of Physiology 14th Edition	Dr. Tooba
2024-2 025		30	Physiology	1	4	Theory Lecture	Neural control of GIT Function (Enteric Nervous system) GIT Hormones	GIT-P-00 2	Describe enteric nervous system	1	Guyton and Hall Textbook of Physiology 14th Edition	Dr. Nida
2024-2 025		30	Physiology	1	1	Practical	Cranial Nerve V (Trigeminal) Examination	GIT-P-01 3	Demonstrate the examination of the sensory and motor parts of the Trigeminal nerve under supervision	1	Zafar Manual of Physiology Vol 2	Dr. Tahir

2024-2025		30	Pharmacology	1	1	Theory Lecture	Acid Peptic disease	GIT-Ph 001	<p>Classify the drugs used for the treatment of Acid Peptic Disease (APD)</p> <p>Explain their mechanism of action, uses and adverse effects</p> <p>Correlate chronic use of NSAIDS with development of peptic ulcer.</p> <p>Write down Tripple and Quadruple regimen for APD</p>	1	Lippincotts review pharmacology 8th edition	dr Rubina iqbal
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2024-2025		30	Pharmacology	1	2	Theory Lecture	Acid Peptic disease	GIT-Ph 001	Classify the drugs used for the treatment of Acid Peptic Disease (APD) Explain their mechanism of action, uses and adverse effects Correlate chronic use of NSAIDS with development of peptic ulcer. Write down Triple and Quadruple regimen for APD	1	Lippincotts review pharmacology 8th edition	dr Rubina iqbal
2024-2025		30	Pharmacology	1	1	Practical	Preparation of Carminative Mixtures	GIT-Ph 004	Demonstrate the preparation and dispensing of three doses of Carminative mixture under supervision.	1	Practical notebook	DR sara
2024-2025		30	Biochemistry	1	1	Theory Lecture	Digestion & Absorption	GIT-B-004	Describe the mechanism of digestion and absorption of dietary carbohydrate	1	Lippincott 8th edition chapter #8	Prof Dr Haroon Habib

2024-2 025		30	Biochemistry	1	2	Theory Lecture	Saliva	GIT-B-00 1	Give etiology and clinical features of xerostomia. Suggest the management options for patients suffering from xerostomia	1	Oral Pathology	Prof Dr Haroon Habib
2024-2 025		30	General Pathology & Microbiology	1	1	Theory (Lecture)	GERD	GIT-Pa-0 01	Define heart burn & describe it's pathophysiology, ethology and clinical features	1	Robins 11th Edition	Dr. Ujala
2024-2 025		30	General Pathology & Microbiology	1	2	Theory (Lecture)	Peptic Ulcer	GIT-Pa-0 02	Define peptic ulcer disease & H.pylori	1	Robins 11th Edition	Dr. Ujala
2024-2 025		30	General Pathology & Microbiology	1	2	Theory (Lecture)	Peptic Ulcer	GIT-Pa-0 02	Enlist causes of P.U.D. & it's pathogenesis	1	Robins 11th Edition	Dr. Ujala
2024-2 025		30	Community Dentistry	1	1	Theory* (Module 8)	Epidemiology of obesity and related issues	GIT-CD00 1	Define obesity, classify obesity Outline the epidemiology of obesity and related issues in respect of oral health.	1	Joseph John	Dr.Syeda Tahira

2024-2025		30	Oral Pathology	1	1	Theory* (Module 8)	Abnormalities of salivary secretions	GIT-OP 001	Discuss clinical abnormalities of Salivary secretions	1	Contemporary Oral and Maxillofacial Pathology	Dr Momin Ayub Marath
2024-2025		30	Biochemistry	1	1	Theory* (Module 8)	Digestion & Absorption	GIT-B-004	Describe the mechanism of digestion and absorption of dietary carbohydrate	1	Lippincott 8th edition chapter #8	Prof Dr Haroon Habib
2024-2025		30	General Pathology & Microbiology	1	1	Theory* (Lecture)	IBD	GIT-Pa-003	Discuss the pathophysiology of IBD	1	Robins 11th Edition	Dr. Ujala
2024-2025		30	Holy Quran	1	1	Theory Lecture	Divine Books		interpret Quran as Furqan	1	notes	Ms. Amna
2024-2025		30	Islamiyat	1	1	Theory (Lecture)	Zakat		Effects of Zakat n Sadqaat	1	notes	Ms. Amna
2024-2025		30	Islamiyat	1	2	Theory (Lecture)	Zakat		Role of state in collection n distributing Zakat	1	notes	Ms. Amna
2024-2025		30	Pak Studies	1	1	Theory (Lecture)	Province of Pakistan		Resources available in Pakistyan	1	notes	Ms. Amna
2024-2025		30	Pak Studies	1	2	Theory (Lecture)	Province of Pakistan		REsources which are not available in Pakistyan	1	notes	Ms. Amna



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
2024-20 25		31	Oral Biology	1	1	Theory (Lecture)	Physiology of Taste	GT-OB-00 3	Introduction to taste and its different events. What are the major taste support systems? Discuss the four basic taste sensations/ taste stimuli, Enumerate or enlist the different conditions affecting taste, Elaborate the structure and location of taste buds, Explain the mechanism of taste, What do you know about abnormal taste sensations?	1	Ten Cate's Oral Histology: Development , Structure, and Function	Integrated with Physiology
2024-20 25		31	Oral Biology	1	2	Theory (Lecture)	Physiology of Mastication	GIT-OB- 005	Define Mastication and what are the structures involved in masticatory movement.	1	Ten Cate's Oral Histology: Development	Dr Sana

											, Structure, and Function	
2024-2025		31	Oral Biology	1	3	Theory (Lecture)	Saliva	GT-OB-004	Discuss the mechanism of saliva formation and how the saliva modifies in the duct.	1	Ten Cate's Oral Histology: Development, Structure, and Function	Dr Raheela
2024-2025		31	Oral Biology	1	4	Theory (Lecture)	Saliva	GT-OB-004	Discuss the mechanism of saliva formation and how the saliva modifies in the duct.	1	Ten Cate's Oral Histology: Development, Structure, and Function	Dr Raheela
2024-2025		31	Oral Biology	1	1	Practical	Taste Bud Structure and Tongue Sensory Map	GIT-A-018	Draw and label the histological structure of the taste bud, and mention the specificity of the tongue for different taste sensations.	1	Ten Cate's Oral Histology: Development, Structure, and Function	Dr Anushey / Dr Faseeh
2024-2025		31	Anatomy	1	1	Theory (Lecture)	Palate Anatomy and Neurovascular Supply, Muscles of Soft Palate	GIT-A-004, GIT-A-005	Describe the anatomical features of hard and soft palate with their neurovascular supply. Describe the attachments of muscles of soft palate	1	Snell's Clinical Anatomy By Regions 10th Edition	Dr. Kanwal

									along with their actions and nerve supply.			
2024-2025		31	Anatomy	1	2	Theory (Tutorial)	Palate Anatomy and Neurovascular Supply, Muscles of Soft Palate	GIT-A 004, GIT-A 005	Describe the anatomical features of hard and soft palate with their neurovascular supply. Describe the attachments of muscles of soft palate along with their actions and nerve supply.	1	Snell's Clinical Anatomy By Regions 10th Edition	Dr. Sarwat
2024-2025		31	Anatomy	1	3	Theory (Lecture)	Extracranial Cranial Nerve Anatomy and Lesions	GIT-A 003	Describe the extracranial course, distribution and branches of nerves with special reference to their lesions: Trigeminal, Glossopharyngeal	1	Snell's Clinical Anatomy By Regions 10th Edition	Prof. Dr. Nahid
2024-2025		31	Anatomy	1	4	Theory (Tutorial)	Extracranial Cranial Nerve Anatomy and Lesions	GIT-A 003	Describe the extracranial course, distribution and branches of nerves with special reference to their	1	Snell's Clinical Anatomy By Regions 10th Edition	Dr. Sarwat

									lesions: Trigeminal, Glossopharyngeal			
2024-20 25		31	Anatomy	1	5	Theory (Lecture)	Salivary Glands Anatomy and Neurovascular Supply, Parotid Gland Clinical Correlates	GIT-A 006, GIT-A 007	Describe anatomical features and neurovascular supply of salivary glands. Discuss the clinical correlates of parotid gland: Mumps, Frey's syndrome.	1	Snell's Clinical Anatomy By Regions 10th Edition	Dr. Kanwal
2024-20 25		31	Anatomy	1	6	Theory (tutorial)	Salivary Glands Anatomy and Neurovascular Supply, Parotid Gland Clinical Correlates	GIT-A 006, GIT-A 007	Describe anatomical features and neurovascular supply of salivary glands (parotid gland). Discuss the clinical correlates of parotid gland: Mumps, Frey's syndrome.	1	Snell's Clinical Antomy By Regions 10th Edition	Dr. Sarwat
2024-20 25		31	Anatomy	1	7	Theory (Lecture)	Salivary Glands Anatomy and Neurovascular Supply, Submandibular and Otic Ganglia	GIT-A 006, GIT-A 008	Describe anatomical features and neurovascular supply of salivary glands (submandibular & Sublingual glands). Describe the location, roots and distribution of	1	Snell's Clinical Antomy By Regions 10th Edition	Prof. Dr. Nahid

									submandibular and otic ganglia.			
2024-20 25		31	Anatomy	1	8	Theory (Tutorial)	Salivary Glands Anatomy and Neurovascular Supply, Submandibular and Otic Ganglia	GIT-A 006, GIT-A 008	Describe anatomical features and neurovascular supply of salivary glands (submandibular & Sublingual glands). Describe the location, roots and distribution of submandibular and otic ganglia.	1	Snell`s Clinical Anatomy By Regions 10th Edition	Dr. Sarwat
2024-20 25		31	Anatomy	1	9	Theory (Lecture)	Extracranial Cranial Nerve Anatomy and Lesions	GIT-A 003	Describe the extracranial course, distribution and branches of nerves with special reference to their lesions: Hypoglossal, Vagus	1	Snell`s Clinical Anatomy By Regions 10th Edition	Dr. Kanwal
2024-20 25		31	Physiology	1	1	Theory Lecture	Neural control of GIT Function (Enteric Nervous system) GIT Hormones	GIT-P-002	Describe the Meissner's plexus and differentiate between myenteric and Meissner's plexuses. Enlist the gastrointestinal reflexes & explain the functions of these reflexes.	1	Guyton and Hall Textbook of Physiology 14th Edition	Prof. Dr. Sadia

2024-20 25		31	Physiology	1	2	Theory Lecture	Neural control of GIT Function (Enteric Nervous system) GIT Hormones	GIT-P-002	Give the stimuli, site of release and actions of Cholecystokinin, Gastrin, Secretin & Motilin (enteroendocrine cells)	1	Guyton and Hall Textbook of Physiology 14th Edition	Dr. Tooba
2024-20 25		31	Physiology	1	3	Theory Lecture	Neural control of GIT Function (Enteric Nervous system) GIT Hormones	GIT-P-002	Differentiate between sympathetic and parasympathetic modulation of the enteric nervous system and the effector organs of the GI tract	1		Integrated with Pharmacolo gy. Dr. Iqra
2024-20 25		31	Physiology	1	4	Theory Lecture	Functional types of movements in the GI Tract	GIT-P-003	Discuss functional movements of GIT (propulsive and mixing)	1	Guyton and Hall Textbook of Physiology 14th Edition	Dr. Hafsa
2024-20 25		31	Physiology	1	1	Practical	Cranial Nerve IX (Glossopharyngea l) Examination	GIT-P-014	Demonstrate the examination of the sensory and motor parts of the Glossopharyngeal nerve under supervision	1	Zafar Manual of Physiology Vol 2	Dr. Shaista

2024-20 25		31	Pharmacology	1	1	Theory Lecture	Acid Peptic disease	GIT-Ph 001	Classify the drugs used for the treatment of Acid Peptic Disease (APD) Explain their mechanism of action, uses and adverse effects Correlate chronic use of NSAIDS with development of peptic ulcer. Write down Triple and Quadruple regimen for APD	1	Lippincotts review pharmacology 8th edition	Dr iqra ijaz
2024-20 25		31	Pharmacology	1	2	Theory Lecture	Acid Peptic disease	GIT-Ph 001	Classify the drugs used for the treatment of Acid Peptic Disease (APD) Explain their mechanism of action, uses and adverse effects Correlate chronic use of NSAIDS with development of peptic ulcer. Write down Tripple and Quadruple regimen for APD	1	Lippincotts review pharmacology 8th edition	Dr iqra ijaz

2024-20 25		31	Pharmacology	1	1	Practical	Preparation of Carminative Mixtures	GIT-Ph 004	Demonstrate the preparation and dispensing of three doses of Carminative mixture under supervision.	1	Practical notebook	DR sara
2024-20 25		31	Biochemistry/operative Integration	1	1	Theory Lecture	Saliva	GIT-B-001	Give biochemical explanation for rampant caries in cases of xerostomia	1	Operative Dentistry	
2024-20 25		31	Biochemistry	1	2	Theory Lecture	Digestion and absorption	GIT-B-004	Describe the mechanism of digestion and absorption of dietary protein, Give the causes and clinical features of: Hartnup Disease Cystinuri	1	Lippincott 8th edition chapter 19	Dr Sadia Khalil
2024-20 25		30	General Pathology & Microbiology	1	1	Theory* (Lecture )	Oral lesions	GIT-Mic-001	Enlist different organisms causing oral lesions. Briefly describe HPV or EBV	1	Levinson 19th Edition	Dr. Hira
2024-20 25		30	General Pathology & Microbiology	1	1	Theory* (Lecture )	Diarrhoea causing organisms	GIT-Mic-002	Briefly discuss acute & chronic diarrhoea	1	Levinson 19th Edition	Dr. Hira



2024-20 25		30	General Pathology & Microbiology	1	1	Theory* (Lecture )	Diarrhoea causing organisms	GIT-Mic-0 02	Briefly discuss salmonella as diarrhoea & typhoid causing organism	1	Levinson 19th Edition	Dr. Hira
2024-20 25		31	Oral Pathology	1	1	Theory* (Module 8)	Abnormalities of salivary secretions	GIT-OP 001	Give etiology and clinical features of xerostomia	1	Contemporary Oral and Maxillofacial Pathology	Dr Sultan Muhammad Wahid
2024-20 25		31	Community Dentistry	1	1	Theory* (Module 8)	Epidemiology of obesity and related issues	GIT-CD00 1	Understand hazards, prevention and control of obesity	1	Joseph John	Dr.Syeda Tahira
2024-20 25		31	Biochemistry	1	1	Theory* (Module 8)	Digestion and absorption	GIT-B-004	Describe the mechanism of digestion and absorption of dietary protein, Give the causes and clinical features of: Hartnup Disease Cystinuri	1	Lippincott 8th edition chapter 19	Dr Sadia Khalil
2024-20 25		31	Pharmacology	1	1	Theory* (Module 8)	Preparation of Carminative Mixtures	GIT-Ph 004	Demonstrate the preparation and dispensing of three doses of Carminative mixture under supervision.	1	Practical notebook	DR sara

2024-20 25		31	Holy Quran	1	1	Theory Lecture	Angels		Describe belief in angels	1	Notes	Ms Amna
2024-20 25		31	Islamiyat	1	1	Theory (Lecture)	Concept of Rizk e Halal		Describe the ways which are legal or Rizk e HALAL	1	Notes	Ms Amna
2024-20 25		31	Islamiyat	1	2	Theory (Lecture)	Concept of HAKook		describe the Hakook	1	Notes	Ms Amna
2024-20 25		31	Pak Studies	1	1	Theory (Lecture)	Rights of public		describe the rights of common man	1	Notes	Ms Amna
2024-20 25		31	Pak Studies	1	2	Theory (Lecture)	Political issues		describe the political issues of Pakistan	1	Notes	Ms Amna

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		32	Oral Biology	1	1	Theory (Lecture)	Salivary glands	GIT-OB-003	Describe the development of major & minor salivary Glands.	1	Ten Cate's Oral Histology: Development, Structure, and Function	Dr Raheela
2024-2025		32	Oral Biology	1	2	Theory (Lecture)	Salivary glands	GIT-OB-003	Describe the development of major & minor salivary Glands.	1	Ten Cate's Oral Histology: Development, Structure, and Function	Dr Raheela
2024-2025		32	Oral Biology	1	3	Theory (Lecture)	Physiology of Mastication	GIT-OB-005	Elaborate chewing cycle of mastication.	1	Ten Cate's Oral Histology: Development, Structure, and Function	Dr Sana
2024-2025		32	Oral Biology	1	4	Theory (Lecture)	Physiology of Mastication	GIT-OB-005	What are the different stages of mastication?  What are the different muscles involved in mastication? Give	1	Ten Cate's Oral Histology: Development, Structure, and Function	Dr Sana

									their origin, insertions, innervation, and functions			
2024-20 25		32	Oral Biology	1	1	Practical	Tongue Papillae and Taste Bud Identification, Salivary Gland Histology	GIT-A-019	Identify in images or slides the histological section of the tongue showing different tongue papillae and the location of taste buds. Tongue Papillae and Taste Bud Identification Draw and label the histological section of major salivary glands, showing serous and mucous acini, serous demilunes, and cells of intercalated, striated, and excretory ducts.	1	Ten Cate's Oral Histology: Development, Structure, and Function	Dr Anushey / Dr Faseeh

2024-2025		32	Anatomy	1	1	Theory (Lecture)	Pharynx Anatomy and Neurovascular Supply	GIT-A 009	Name the parts of pharynx giving their extent, anatomical features, structure and neurovascular supply.	1	Snell's Clinical Anatomy By Regions 10th Edition	Dr. Kanwal
2024-2025		32	Anatomy	1	2	Theory (Tutorial)	Pharynx Anatomy and Neurovascular Supply	GIT-A 009	Name the parts of pharynx giving their extent, anatomical features, structure and neurovascular supply.	1	Snell's Clinical Anatomy By Regions 10th Edition	Dr. Sarwat
2024-2025		32	Anatomy	1	3	Theory (Lecture)	Muscles of Pharynx	GIT-A 010	Describe the attachments of muscles of pharynx along with their actions and nerve supply.	1	Snell's Clinical Anatomy By Regions 10th Edition	Prof. Dr. Nahid
2024-2025		32	Anatomy	1	4	Theory (Tutorial)	Muscles of Pharynx	GIT-A 010	Describe the attachments of muscles of pharynx along with their actions and nerve supply.	1	Snell's Clinical Anatomy By Regions 10th Edition	Dr. Sarwat
2024-2025		32	Anatomy	1	5	Theory (Lecture)	Palatine Tonsil Anatomy and Vascular Supply	GIT-A 011	Discuss the location, anatomical features and	1	Snell's Clinical Anatomy By Regions 10th Edition	Dr. Kanwal

									vascular supply of palatine tonsils.			
2024-2025		32	Anatomy	1	6	Theory (Lecture)	Piriform Fossa and Tonsils Clinical Correlates	GIT-A 012	Discuss the clinical correlates of piriform fossa and tonsils: Adenoids, Quincy, Tonsillitis.	1	Snell's Clinical Anatomy By Regions 10th Edition	Prof. Dr. Nahid
2024-2025		32	Anatomy	1	7	Theory (Lecture)	Waldeyer's Ring of Lymphatic Tissue, Cervical Esophagus Anatomy and Neurovascular Supply	GIT-A 013, GIT-A 014	Enlist the structures forming the Waldeyer's ring of lymphatic tissue. Describe the anatomical features of cervical part of esophagus with its neurovascular supply.	1	Snell's Clinical Anatomy By Regions 10th Edition	Dr. Kanwal
2024-2025		32	Anatomy	1	1	Practical	Palatine Tonsil Anatomy and Vascular Supply	GIT-A 011	Discuss the location, anatomical features and vascular supply of palatine tonsils.	1	Snell's Clinical Anatomy By Regions 10th Edition	Dr. Sarwat
2024-2025		32	Physiology	1	1	Theory Lecture	Esophagus	GIT-P-004	Discuss the pathophysiology and features of	1		Integrated with Pathology- Dr. Nabila

									achalasia and Mega esophagus			
2024-2025		32	Physiology	1	2	Theory Lecture	Role of mucous and saliva, Vomiting Reflex	GIT-P-005 & GIT-P-006	Enlist the functions of saliva. Describe the stages of vomiting act. Appraise the location and function of vomiting center/ chemoreceptor trigger zone in the brain	1	Guyton and Hall Textbook of Physiology 14th Edition	Dr. Nida
2024-2025		32	Physiology	1	3	Theory Lecture	Motor function of Stomach	GIT-P-007	Explain motor function of stomach. Explain factors which regulate stomach emptying.	1	Guyton and Hall Textbook of Physiology 14th Edition	Dr. Amina
2024-2025		32	Physiology	1	4	Theory Lecture	Gastric secretion	GIT-P-008	Describe characteristics & functions of the gastric secretions. Discuss the role of Intrinsic factor from gastric parietal cells.	1	Guyton and Hall Textbook of Physiology 14th Edition	Prof. Dr. Shahina
2024-2025		32	Physiology	1	1	Practical	Cranial Nerve X (Vagus) Examination	GIT-P-015	Demonstrate the examination of the sensory and motor parts of the	1	Zafar Manual of Physiology Vol 2	Dr. Nida

									Vagusnerve under supervision			
2024-2025		32	Pharmacology	1	1	Theory Lecture	Antiemetics and Prokinetics	GIT-Ph 002	Classify antiemetics Describe the mechanism of action, clinical uses, and adverse effects of metoclopramide Compare metoclopramide and Domperidone Name the drugs used in the prevention of chemotherapy- or radiation-induced emesis List prokinetic agents	1	Lippincotts review pharmacology 8th edition	Dr Rubina iqbal



2024-20 25		32	Pharmacology	1	2	Theory Lecture	Antiemetics and Prokinetics	"GIT-Ph 002 "	Classify antiemetics Describe the mechanism of action, clinical uses, and adverse effects of metoclopramide Compare metoclopramide and Domperidone Name the drugs used in the prevention of chemotherapy- or radiation-induced emesis List prokinetic agents	1	Lippincotts review pharmacology 8th edition	DR rubina iqbal
2024-20 25		32	Pharmacology	1	1	Practical	Preparation of Oral Rehydration Solution	GIT-Ph 005	Demonstrate the preparation and dispensing of four doses of ORS solution under supervision.	1	practical notebook	Dr Sidra
2024-20 25		32	Biochemistry /Physiology Integration	1	1	Theory Lecture	Saliva,Pancre atic juice, bile and succus entericu	GIT-B-,00 1003	Give composition and functions of pancreatic juice, bile and succus entericu	1	Biochemistry Integration with Physiology	Dr. Amina

2024-2025		32	Biochemistry	1	2	Theory Lecture	Digestion and absorption	GIT-B-004	Explain the process of digestion and absorption of dietary lipids	1	Lippincott 8th edition	Dr Yusra
2024-2025		30	General Pathology & Microbiology	1	1	Theory* (Lecture )	Diarrhoea causing organisms	GIT-Mic-002	Briefly discuss clostridium botulinum & clostridium difficile	1	Levinson 19th Edition	Dr. Hira
2024-2025		30	General Pathology & Microbiology	1	1	Theory* (Lecture )	Diarrhoea causing organisms	GIT-Mic-002	Briefly discuss antemorena histolytic giardia, crypto sporidium	1	Levinson 19th Edition	Dr. Hira
2024-2025		30	General Pathology & Microbiology	1	1	Tutorial	GERD	GIT-Pa-001	Define heart burn & describe it's pathophysiology, ethology and clinical features	1	Robins 11th Edition	Demonstrator
2024-2025		32	Oral Pathology	1	1	Theory* (Module 8)	Aphthous ulcers	GIT-OP-002	Define and enlist the types of aphthous ulcers (minor, major, herpetiform)	1	Contemporary Oral and Maxillofacial Pathology	Dr Sultan Muhammad Wahid
2024-2025		32	Oral Biology	1	3	Theory* (Module 8)	Physiology of Mastication	GIT-OB-005	What are the different stages of mastication? What are the different muscles involved in mastication? Give their origin, insertions,	1	Ten Cate's Oral Histology: Development, Structure, and Function	Dr Sana

									innervation, and functions			
2024-2025		32	PRISME (Behavioural science)	1	1	Lecture	Dentist's Role in Public Advocacy		identify the dentist's role in improving community oral health beyond clinical settings. Describe the impact of public education campaigns on oral health awareness. Highlight priority oral health issues requiring advocacy. Justify the dentist's role in shaping oral health policies for community benefit.	1		Dr. Naurose
2024-2025		32	Oral Pathology	1	1	Theory* (Module 8)	Aphthous ulcers	GIT-OP 002	Discuss the potential etiological factors, including stress, trauma, and nutritional deficiencies.	1	Contemporary Oral and Maxillofacial Pathology	Dr Momin Ayub Marath
2024-2025		32	Holy Quran	1	1	Theory Lecture	Universal Role of Angels		Their Specific Duties	1	Notes	Ms Amna

2024-20 25		32	Islamiyat	1	1	Theory (Lecture)	Importance of Fast		describe the importance of fasting	1	Notes	Ms Amna
2024-20 25		32	Islamiyat	1	2	Theory (Lecture)	Relate The Quran		Holy Quran n the month of Ramzan	1	Notes	Ms Amna
2024-20 25		32	Pak Studies	1	1	Theory (Lecture)	Social Problems		describe the social problems	1	Notes	Ms Amna
2024-20 25		32	Pak Studies	1	2	Theory (Lecture)	economic problems		describe the economic problems of pakistan	1	Notes	Ms Amna

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		33	Oral Biology	1	1	Theory (Lecture)	Physiology of Mastication	GIT-OB-005	Briefly describe the neurological control of mastication	1	Ten Cate's Oral Histology: Development, Structure, and Function	Dr Sana
2024-2025		33	Oral Biology	1	2	Theory (Lecture)	Physiology of Swallowing	GIT-OB-006	Introduction to the term swallowing and deglutition What are the stages of swallowing? Elaborate the pathway of swallowing and its neural control.	1	Ten Cate's Oral Histology: Development, Structure, and Function	Dr Sana
2024-2025		33	Oral Biology	1	3	Theory (Lecture)	Salivary glands	GIT-OB-003	Describe the histology of major and minor salivary glands	1	Ten Cate's Oral Histology: Development, Structure, and Function	Dr Raheela

2024-2025		33	Oral Biology	1	4	Theory (Lecture)	Salivary glands	GIT-OB-003	Elaborate its changes with age and its clinical considerations	1	Ten Cate's Oral Histology: Development, Structure, and Function	Dr Raheela
2024-2025		33	Oral Biology	1	1	Practical	Swallowing Mechanism Stages	GIT-A-021	Identify the correct stage of swallowing on provided images or models.	1	Ten Cate's Oral Histology: Development, Structure, and Function	Dr Anushey / Dr Faseeh
2024-2025		33	Anatomy	1	2	Theory (Lecture)	Oral Cavity Anatomy, Tongue Structure and Vascular Supply	GIT-A-001, GIT-A-002	Describe the parts and boundaries of oral cavity. Describe the anatomical features of tongue with emphasis on its musculature, vascular supply and lymphatic drainage.	1	Snell's Clinical Anatomy By Regions 10th Edition	Dr. Kanwal

2024-2025		33	Anatomy	1	3	Theory (Lecture)	Palate Anatomy and Neurovascular Supply, Muscles of Soft Palate	GIT-A 004, GIT-A 005	Describe the anatomical features of hard and soft palate with their neurovascular supply. Describe the attachments of muscles of soft palate along with their actions and nerve supply.	1	Snell's Clinical Anatomy By Regions 10th Edition	Dr. Sarwat
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2024-2025		33	Anatomy	1	4	Theory (Lecture)	Salivary Glands Anatomy and Neurovascular Supply, Parotid Gland Clinical Correlates, Submandibular and Otic Ganglia	GIT-A 006, GIT-A 007, GIT-A 008	Describe anatomical features and neurovascular supply of salivary glands. Discuss the clinical correlates of parotid gland: Mumps, Frey's syndrome. Describe the location, roots and distribution of submandibular and otic ganglia.	1	Snell's Clinical Anatomy By Regions 10th Edition	Prof. Dr. Nahid
2024-2025		33	Anatomy	1	5	Theory (Lecture)	Pharynx Anatomy and Neurovascular Muscles of Pharynx Supply,	GIT-A 009, GIT-A 010	Name the parts of pharynx giving their extent, anatomical features, structure and neurovascular supply. Describe the attachments of	1	Snell's Clinical Anatomy By Regions 10th Edition	Dr. Sarwat



									muscles of pharynx along with their actions and nerve supply.			
2024-2025		33	Anatomy	1	6	Theory (Lecture)	Palatine Tonsil Anatomy and Vascular Supply, Piriform Fossa and Tonsils Clinical Correlates, Waldeyer's Ring of Lymphatic Tissue	GIT-A 011, GIT-A 012, GIT-A 013	Discuss the location, anatomical features and vascular supply of palatine tonsils. Discuss the clinical correlates of piriform fossa and tonsils: Adenoids, Quinicy, Tonsillitis. Enlist the structures forming the Waldeyer's ring of lymphatic tissue.	1	Snell's Clinical Anatomy By Regions 10th Edition	Dr. Kanwal

2024-2 025		33	Anatomy	1	7	Theory (Lecture)	Extracranial Cranial Nerve Anatomy and Lesions	GIT-A 003	Describe the extracranial course, distribution and branches of nerves with special reference to their lesions: Trigeminal, Glossopharynge al, Hypoglossal, Vagus.	1	Snell`s Clinical Anatomy By Regions 10th Edition	Prof. Dr. Nahid
2024-2 025		33	Anatomy	1	1	Practical	Microscopic Structure of Lip & Tongue	GIT-A 015, GIT-A 016	Identify under light microscope and draw and label the light microscopic structure of lip. Identify under light microscope and draw and label the light microscopic structure of tongue.	1	Medical Histology By Laiq Hussain Siddiqui	Dr. Sarwat

2024-2025		33	Physiology	1	1	Theory Lecture	Pathophysiology of stomach	GIT-P-010	Define and discuss basic causes of gastritis and Pernicious anemia	1		Integrated with Pathology- Dr. Nabila
2024-2025		33	Physiology	1	2	Theory Lecture	Pathophysiology of stomach	GIT-P-010	Define & enumerate the causes and pathophysiology of peptic ulcer	1		Integrated with Pathology- Dr. Nabila
2024-2025		33	Physiology	1	3	Theory Lecture	Movements of the small intestine General	GIT-P-011	Enumerate the types of movements taking place in small intestine and mention their function. What is peristaltic rush and enteritis?	1	Guyton and Hall Textbook of Physiology 14th Edition	Dr. Amina
2024-2025		33	Physiology	1	4	Theory Lecture	Movements of the Colon	GIT-P-012	Enumerate the types of movements taking place in colon and give their functions. Discuss defecation reflex.	1	Guyton and Hall Textbook of Physiology 14th Edition	Dr. Hafsa

2024-2025		33	Physiology	1	1	Practical	Cranial Nerve XII (Vagus) Examination	GIT-P-016	Demonstrate the examination of the sensory and motor parts of the Hypoglossal nerve under supervision	1	Zafar Manual of Physiology Vol 2	Dr. Fahad
2024-2025		33	Pharmacology	1	1	Theory Lecture	Laxatives, antidiarrheals	GIT-Ph 003	Classify Laxatives Classify antidiarrheals	1	Lippincotts review pharmacology 8th edition	Dr. Iqra Ijaz
2024-2025		33	Pharmacology	1	2	Theory Lecture	Laxatives, antidiarrheals	GIT-Ph 003	Classify Laxatives Classify antidiarrheals	1	Lippincotts review pharmacology 8th edition	Dr. Iqra Ijaz
2024-2025		33	Pharmacology	1	1	Practical	Preparation of IV Solutions	GIT-Ph 006	Demonstrate the preparation of Normal Saline or Dextrose Water solution under supervision.	1	practical notebook	dr fatma
2024-2025		33	Biochemistry /Pharmacology Integration	1	1	Theory Lecture	Gastric Secretions	GIT-B-002	Correlate chronic use of NSAIDs with development of peptic ulcer	1	Pharmacology Integration	
2024-2025		33	Biochemistry	1	2	Theory Lecture	Digestion and absorption	GIT-B-004	Explain the process of	1	Lippincott 8th edition	Dr. Yusra

									digestion and absorption of dietary lipids			
2024-2025		30	General Pathology & Microbiology	1	1	Tutorial	GERD	GIT-Pa-001	Define heart burn & describe it's pathophysiology, ethology and clinical features	1	Robins 11th Edition	Demonstrator
2024-2025		30	General Pathology & Microbiology	1	2	Tutorial	Peptic Ulcer	GIT-Pa-002	Define peptic ulcer disease & H.pylori	1	Robins 11th Edition	Demonstrator
2024-2025		30	General Pathology & Microbiology	1	1	Tutorial	Oral lesions	GIT-Mic-001	Enlist different organisms causing oral lesions. Briefly describe HPV or EBV	1	Levinson 19th Edition	Demonstrator

2024-2 025		33	PRISME (Behavioural Sciences)	1	1	Lecture	Disparities, Fairness, and Policy Barriers		Differentiate between equality and equity in dental care access. Compare rural and urban oral health challenges. Recommend strategies to promote fair and equitable dental services. Identify structural and policy barriers limiting access to dental care in underserved populations	1		Dr. Naurose
2024-2 025		33	Holy Quran	1	1	Theory Lecture	Taqwa		Taqwa through fasting	1	Notes	Ms Amna
2024-2 025		33	Islamiyat	1	1	Theory (Lecture)	rights of women in islam		describe the rights of women	1	Notes	Ms Amna
2024-2 025		33	Islamiyat	1	2	Theory (Lecture)	rights of children in islam		describe the rights of children	1	Notes	Ms Amna
2024-2 025		33	Pak Studies	1	1	Theory (Lecture)	Pak chaina relationship		brife note on Pak China relationship		Notes	Ms Amna

2024-2 025		33	Pak Studies	1	2	Theory (Lecture)	initial problems		describe the problems which Pakistan face at starting	1	Notes	Ms Amna
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## 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>Youme Takbeer</u> 28th May (Wednesday)				
COMMENCEMENT OF MODULE - 2					
8	2nd June 2025	Monday	Anatomy Physiology Biochemistry Oral Biology & Tooth Morphology General Pathology & Microbiology Pharmacology Community Dentistry	Module - 1 Exam	Complete Module - 1 Syllabus
<u>Eid-ul-Adha</u> 6th / 7th / 8th & 9th June 2025					
9	13th June 2025	Friday	Anatomy Oral Biology & Tooth Morphology General Pathology & Microbiology	Module - 2 Exam	Complete Module - 2 Syllabus

COMMENCEMENT OF MODULE - 3					
12	4th July 2025	Friday	Oral Biology & Tooth Morphology Biochemistry Community Dentistry Oral Pathology Operative Dentistry	Module - 3 Exam	Complete Module - 3 Syllabus
Ashura 5th & 6th July 2025					
COMMENCEMENT OF MODULE - 4					
14	14th July 2025	Monday	Anatomy Physiology Biochemistry Oral Biology & Tooth Morphology	Block 1 Exam (Theory)	Complete Block 1 Syllabus
14	15th July 2025	Tuesday	General Pathology & Microbiology Pharmacology Community Dentistry Oral Pathology Operative Dentistry	Block 1 Exam (Practical)	Complete Block 1 Syllabus
Summer Break 21st July 2025 to 17th August					
16	29th August 2025	Friday	Oral Biology & Tooth Morphology Anatomy Biochemistry General Pathology & Microbiology Pharmacology Physiology	Module - 4 Exam	Complete Module - 4 Syllabus
COMMENCEMENT OF MODULE - 5					

22	10th October 2025	Friday	Physiology Anatomy Biochemistry Pharmacology General Pathology & Microbiology	Module - 5 Exam	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 Community Dentistry Dental Radiology (Oral Diagnosis/Oral Medicine) Periodontology	Block 2 Exam (Theory)	Complete Block 2 Syllabus
25	28th October 2025	Tuesday		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

BDS Integrated Curriculum 2K25, 1st Professional Exam							
BLOCK 3 - ASSESSMENT PARAMETERS AND DIVISION OF MARKS							
Subject	Written Exam			Oral/Practical Exam			
	MCQ (1 mark and 1 minute each)	SEQ (4 marks each and 11 minutes for each SEQ)	Marks	OSPE (9 Marks Each and 6 minutes each)	OSCE (9 Marks Each and 6 minutes each)	OSVE (6 Marks Each and 6 minutes each)	Marks
Anatomy	10	1	14	1	0	1	15
Physiology	22	2	30	1	1	1	24
Biochemistry	6	1	10	0	0	1	6
Oral Biology	12	1	16	3	0	1	33
General Pathology & Microbiology	12	2	20	2	0	1	24
Pharmacology	17	1	21	0	0	1	6
Community Dentistry	0	1	4	0	0	1	6
Oral Pathology	1	1	5	0	0	1	6
<b>Total Questions</b>	<b>80</b>	<b>10</b>		<b>7</b>	<b>1</b>	<b>8</b>	
<b>Net Total</b>	<b>80x1=80</b>	<b>10x4=40</b>	<b>120</b>	<b>7x9=63</b>	<b>1x9=9</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 3 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 3 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-Portfolio for PRISME / 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 80 % = 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 3: Learning Resources**

Subject	Learning Resources
<b>Oral Biology &amp; Tooth Morphology</b>	<ol style="list-style-type: none"><li>1. Nanci, A. Ten Cate's Oral Histology, Development, Structure, and Function (10th ed.)</li><li>2. Berkovitz, B. K., Holland, G. R., &amp; Moxham, B. J. Oral Anatomy, Histology, and Embryology (5th ed.)</li><li>3. Kumar, G. S. Orban's Oral Histology &amp; Embryology (13th ed.)</li><li>4. Rajkumar, K. Oral Anatomy, Histology, Physiology &amp; Tooth Morphology (2nd ed.)</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>Gross Anatomy</b>	<ol style="list-style-type: none"><li>1. Snell's Clinical Anatomy by Regions (12th ed.)</li></ol>
<b>Embryology</b>	<ol style="list-style-type: none"><li>1. Langman's Medical Embryology</li></ol>
<b>Histology</b>	<ol style="list-style-type: none"><li>1. Siddiqui, L. H. Medical Histology: Text and Atlas</li></ol>
<b>Biochemistry</b>	<ol style="list-style-type: none"><li>1. Rodwell, V. W., et al. Harper's Illustrated Biochemistry (32nd ed.)</li><li>2. Abali, E. E., et al. Lippincott Illustrated Reviews: Biochemistry (8th ed.)</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>

Subject	Learning Resources
<b>Histology</b>	1. Siddiqui, L. H. Medical Histology: Text and Atlas
<b>General Anatomy</b>	1. Siddiqui, L. H. General Anatomy
<b>Biochemistry</b>	1. Rodwell, V. W., et al. Harper's Illustrated Biochemistry (32nd ed.) 2. Abali, E. E., et al. Lippincott Illustrated Reviews: Biochemistry (8th ed.)
<b>Physiology</b>	1. Guyton & Hall. Textbook of Medical Physiology (14th ed.)
<b>Pathology</b>	1. Kumar, V., et al. Robbins & Cotran Pathologic Basis of Disease (10th ed.)
<b>Microbiology</b>	1. Levinson, W. Review of Medical Microbiology & Immunology (18th ed.)
<b>Pharmacology</b>	1. Katzung & Trevor. Pharmacology Examination & Board Review (12th ed.) 2. Whalen, K. Lippincott Illustrated Reviews: Pharmacology (7th ed.)
<b>Behavioral Sciences</b>	1. Hand book of Behavioral sciences, by MH Rana, 3rd ed. 2. Humayun A., Herbert M. (2010). Integrating behavioural sciences in healthcare. Islamabad: HEC.

Resource Type	Learning Resources
<b>Textbooks</b>	1. Fuller, J. L. Concise Dental Anatomy & Morphology (4th ed.) 2. Nelson, S. J. Wheeler's Dental Anatomy, Physiology and Occlusion (1st SAE)
<b>Reference Books</b>	1. Woelfel's Dental Anatomy (Jones & Bartlett Learning) 2. Oral Biology and Tooth Morphology

## 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.