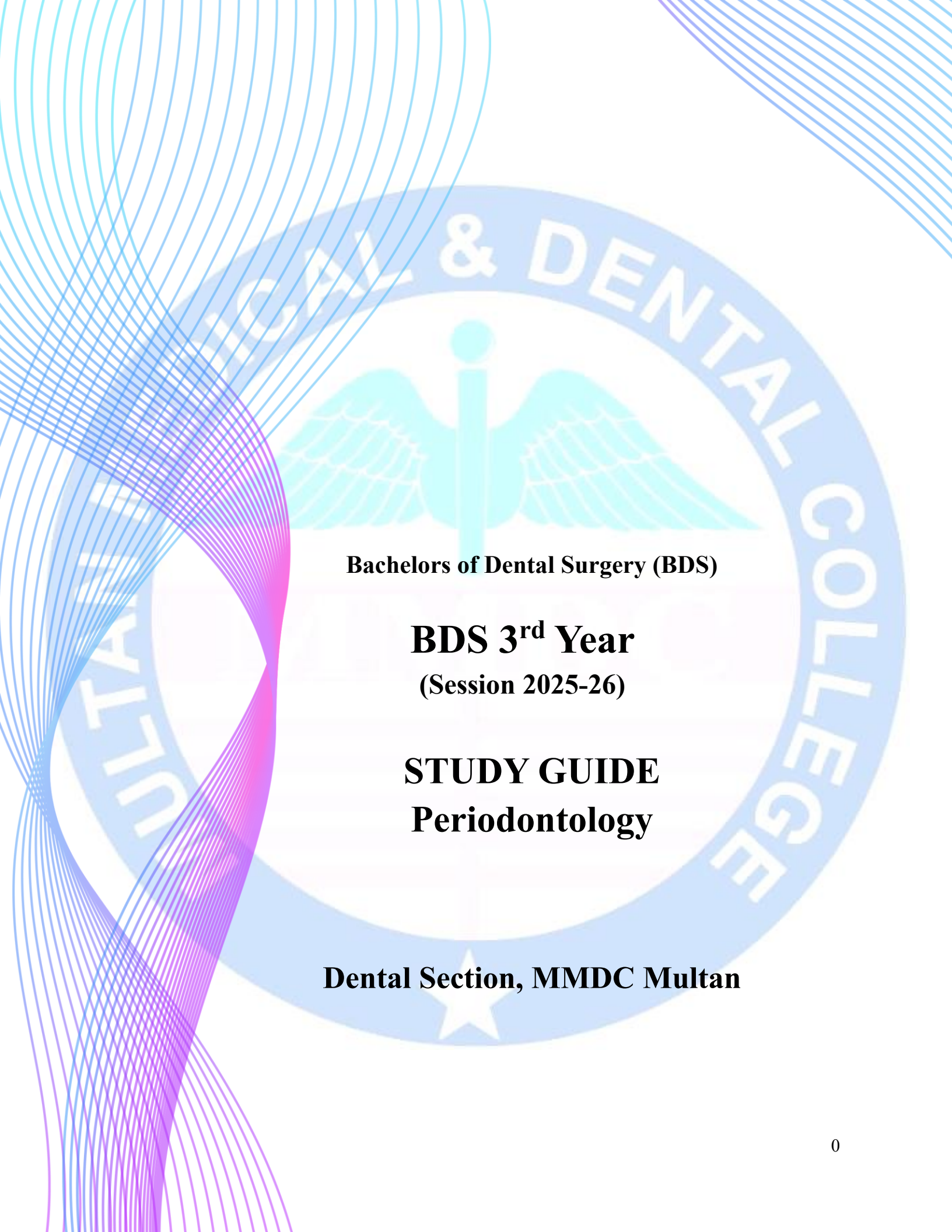




Bachelors of Dental Surgery (BDS)

BDS 3rd Year

(Session 2025-26)

STUDY GUIDE

Periodontology

Dental Section, MMDC Multan



TABLE OF CONTENTS

MISSION AND VISION OF UHS	2
MISSION AND VISION OF MMDC	2
PROGRAM OUTCOME	3
LIST OF ABBREVIATION	4
INTRODUCTION TO STUDY GUIDE – PERIODONTOLOGY	5
ACADEMIC SCHEDULE OF BDS 3RD YEAR	5
TIME TABLE	6
COURSE SEQUENCE - PERIODONTOLOGY	7
FACILITATORS (PERIODONTOLOGY)	12
PERIODONTOLOGY — COURSE LEARNING OBJECTIVES	13
TEACHING METHODOLOGIES	22
Instructural Strategies	23
ASSESSMENT	25
Assessment Strategies	26
Learning Resources	27





MISSION AND VISION OF UHS

Vision Statement:

UHS is a leading university aiming to keep its graduates apt with the ever-emerging global health challenges, evolving educational methodologies and emerging technological advancements to maintain its distinguishable position as a medical university.

Mission Statement:

UHS shall continue to strive for producing a human resource par at excellence to cater for the health needs of the people of Punjab and Pakistan.

MISSION AND VISION OF MMDC

(Dental Section) MMDC Vision

To be a leading dental institution in South Punjab, recognized for excellence in education, research, and healthcare services, while developing competent and compassionate healthcare professionals and addressing health disparities through research and community-focused initiatives.

(Dental Section) MMDC Mission

To produce professionally competent and ethical dental graduates equipped with knowledge, clinical skills and technological competence to address emerging global health challenges through research, innovative educational approaches and lifelong learning.



PROGRAM OUTCOME

The students of Bachelor of Dental Surgery (BDS) of MMDC at the end of the program will be able to:

- Dental Graduates will apply the knowledge, skills and technological competencies to practice dentistry in primary care setting and provide comprehensive patient care.
- The graduates will promote dental health care within the community, utilizing the latest research, critical thinking and making evidence informed decisions and apply relevant evidence to address emerging oral and global health challenges.
- Dental graduates will uphold professional values and demonstrate emotional intelligence, social responsibility, and engage in lifelong learning, leadership, and innovation.



LIST OF ABBREVIATION

Abbreviation	Full Form
BDS	Bachelor of Dental Surgery
UHS	University of Health Sciences
MMDC	Multan Medical & Dental College
MIT	Mode of Information Transfer
AT	Assessment Tool
T&L	Teaching and Learning
AAP	American Academy of Periodontology
GCF	Gingival Crevicular Fluid
NUG	Necrotizing Ulcerative Gingivitis
MRONJ	Medication-Related Osteonecrosis of the Jaw
TMJ	Temporomandibular Joint
OSCE	Objective Structured Clinical Examination
OSPE	Objective Structured Practical Examination
OSVE	Objective Structured Video Examination
LGIS	Large Group Interactive Session
OMFS	Oral and Maxillofacial Surgery



INTRODUCTION TO STUDY GUIDE – PERIODONTOLOGY

- Periodontology is an essential component of the BDS 3rd Year curriculum, dealing with the prevention, diagnosis and management of diseases affecting the periodontium.
- It aims to reform students' approach towards prevention of oral diseases and provide professional training in oral health promotion, keeping in view the community oral health needs of Pakistan.
- Students are familiarised with the core content of Periodontology and develop an awareness of the importance of research in medical and dental sciences.
- Major areas include the normal periodontium, gingival and periodontal diseases, plaque and calculus, host-microbial interactions, periodontal diagnosis and treatment planning, non-surgical and surgical periodontal therapy, and periodontal-restorative inter-relationships.
- Students learn to address the main oral health problems of their community and suggest therapeutic, preventive and educational solutions.
- Students are able to differentiate epidemiological tools used for assessment of community periodontal problems and evaluate various research methods.
- Emphasis is placed on clinical diagnosis, treatment planning, and hands-on periodontal instrumentation and surgical skills.
- The knowledge gained provides a foundation for safe, effective and patient-centred periodontal practice.

ACADEMIC SCHEDULE OF BDS 3RD YEAR

Class Commencement	27 April 2026
1 st Term Examination	31 August – 11 September
2 nd Term Examination	6 November – 14 November



TIME TABLE



DENTAL SECTION, MULTAN MEDICAL & DENTAL COLLEGE, MULTAN

Time Table For 3rd Year BDS (Session 2024-25)

Day / Time	08:30-09:30	09:30-10:20	10:20-11:10	11:10-12:00	12:00-12:50	12:50-01:20	01:20-02:10	02:10-03:00
Monday	Test	Test	Interactive Lecture Surgery/ CBL Surgery	Clinical	Clinical	Lunch & Namaz Break	Interactive Lecture Oral Pathology	Practical Oral Pathology
Tuesday	Interactive Lecture Medicine	Interactive Lecture Oral Pathology	Clinical	Clinical	Clinical	Lunch & Namaz Break	Interactive Lecture Surgery	Interactive Lecture Oral Medicine
Wednesday	Interactive Lecture Surgery	Interactive Lecture Medicine / CBL Medicine	Clinical	Clinical	Pre-Clinical Operative Dentistry / Oral Surgery	Lunch & Namaz Break	Interactive Lecture Periodontology	Interactive Lecture Oral Pathology
Thursday	Interactive Lecture Periodontology / CBL Periodontology	Interactive Lecture Medicine	Clinical	Clinical	Pre-Clinical Operative Dentistry / Prosthodontics	Lunch & Namaz Break	Interactive Lecture Oral Medicine	Interactive Lecture Research
Friday	Test	Interactive Lecture Oral Pathology	Clinical	Clinical	Pre-Clinical Operative Dentistry	Lunch & Namaz Break	Interactive Lecture ICT	Interactive Lecture Behavioral Sciences



COURSE SEQUENCE - PERIODONTOLOGY

Day	Date	Time	Academic Activity	Learning Objectives	Facilitator Name
Wednesday	29/4/2026	01:20-02:10	Lecture Periodontology	Normal Periodontium	Dr.Nousheen Khan
Thursday	30/4/2026	8:30-09:30	Lecture Periodontology	Normal Periodontium, Age Associated changes	Dr.Nousheen Khan
1ST MAY Labour Day					
Wednesday	6/5/2026	01:20-02:10	Lecture Periodontology	Epidemiology of Periodontal Disease-1	Dr.Nousheen Khan
Thursday	7/5/2026	8:30-09:30	Lecture Periodontology	Classification of Periodontal Disease	Dr.Nousheen Khan
Friday	8/5/2026	8:30-09:30	Test Periodontology	All the covered topics studied till now	
Wednesday	13/5/2026	01:20-02:10	Lecture Periodontology	Etiology of P.D, Stages of Gingivitis	Dr.Nousheen Khan
Thursday	14/5/2026	8:30-09:30	Lecture Periodontology	Formation of Plaque	Dr.Shamsher Ali
Wednesday	20/5/2026	01:20-02:10	Lecture Periodontology	Dental Calculus-1	Dr.Nousheen Khan
Thursday	21/5/2026	8:30-09:30	Lecture Periodontology	Role of interleukins & cytokines in PD	Dr.Shamsher Ali
Friday	22/5/2026	8:30-09:30	Test Periodontology	All the covered topics studied after last assessment	
25th May-29th May 2026 Eid ul Azha Holidays					
Wednesday	3/6/2026	01:20-02:10	Lecture Periodontology	Acute & Chronic Gingivitis	Dr.Nousheen Khan
Thursday	4/6/2026	8:30-09:30	Lecture Periodontology	Gingival Abscess & Periodontal Abscess	Dr.Shamsher Ali
Wednesday	10/6/2026	01:20-02:10	Lecture Periodontology	Gingival Enlargement -2 , Drug Induced	Dr.Nousheen Khan
Thursday	11/6/2026	8:30-09:30	Lecture Periodontology	Gingival Enlargement-3	Dr.Shamsher Ali



15th June -12july 2026 Summer Vacations					
Wednesday	15/7/2026	01:20-02:10	Lecture Periodontology	Acute & Chronic Gingivitis	Dr.Nousheen Khan
Thursday	16/7/2026	8:30-09:30	Lecture Periodontology	Gingival Abscess & Periodontal Abscess	Dr.Shamsher Ali
Friday	17.7/2026	8:30-09:30	Test Periodontology		
Wednesday	22/7/2026	01:20-02:10	Lecture Periodontology	Gingival Enlargement -2 , Drug Induced	Dr.Nousheen Khan
Thursday	23/7/2026	8:30-09:30	Lecture Periodontology	Gingival Enlargement-3	Dr.Shamsher Ali
Wednesday	29/7/2026	01:20-02:10	Lecture Periodontology	Smoking & Periodontal Disease-1	Dr.Nousheen Khan
Thursday	30/7/2026	8:30-09:30	Lecture Periodontology	Host Response & Host Bacterial Interaction	Dr.Shamsher Ali
Monday	3/8/2026	08:30-09:30	Test Periodontology		
Wednesday	5/8/2026	01:20-02:10	Lecture Periodontology	Acute Gingival Infections ,ANUG	Dr.Nousheen Khan
Thursday	6/8/2026	8:30-09:30	Lecture Periodontology	Acute Gingival Infections , HSV	Dr.Nousheen Khan
Wednesday	12/8/2026	01:20-02:10	Lecture Periodontology	AIDS & Periodontium	Dr.Nousheen Khan
Thursday	13/8/2026	8:30-09:30	CBL Periodontology	Desquamative Gingivits-1, Systemic Diseases & Periodontium	Dr.Shamsher Ali
Friday 14th August 2026					
Monday	17/8/2026	08:30-09:30	Test Periodontology		
Wednesday	19/8/2026	01:20-02:10	Lecture Periodontology	Periodontal Diagnosis & Prognosis	Dr.Nousheen Khan
Thursday	20/8/2026	8:30-09:30	Lecture Periodontology	Desquamative Gingivits-2	Dr.Shamsher Ali
Wednesday 26th August 2026 Eid Milad un Nabi					
Thursday	27/8/2026	8:30-09:30	CBL Periodontology	Host Modulation Therapy-2	Dr.Shamsher Ali



Friday	28/8/2026	8:30-09:30	Test Periodontology		
1st Term Exam 31st August 2026 to 11th September 2026					
Wednesday	9/9/2026	09:00-12:00	Periodontology	All the covered topics till 1st term	
Wednesday	16/9/2026	01:20-02:10	Lecture Periodontology	Periodontal Pockets-1	Dr.Nousheen Khan
Thursday	17/9/2026	8:30-09:30	Lecture Periodontology	Bone loss & Pattern of Bone loss-1	Dr.Shamsher Ali
Wednesday	23/9/2026	01:20-02:10	Lecture Periodontology	Radiographic Diagnostic Techniques	Dr.Nousheen Khan
Thursday	24/9/2026	8:30-09:30	Lecture Periodontology	Bone loss & Pattern of Bone loss-2	Dr.Shamsher Ali
Friday	25/9/2026	8:30-09:30	Test Periodontology		
Wednesday	30/9/2026	01:20-02:10	Lecture Periodontology	Methods of Plaque Control ,Mechanical	Dr.Nousheen Khan
Thursday	1/10/2026	8:30-09:30	Lecture Periodontology	Methods of Plaque Control ,Chemical	Dr.Shamsher Ali
Monday	5/10/2026	09:30-10:20	Test Periodontology		
Wednesday	7/10/2026	1:20 - 2:10	Lecture Periodontology	Aggressive Periodontitis	Dr.Nousheen Khan
Thursday	8/10/2026	8:30-09:30	Lecture Periodontology	Chemotherapeutic Agents & Antibiotics	Dr.Shamsher Ali
Wednesday	14/10/2026	01:20-02:10	Lecture Periodontology	Aggressive Periodontitis	Dr.Nousheen Khan
Thursday	15/10/2026	8:30-09:30	Lecture Periodontology	Chemotherapeutic Agents & Antibiotics	Dr.Shamsher Ali
Friday	16/10/2026	8:30-09:30	Test Periodontology		
Wednesday	21/10/2026	01:20-02:10	Lecture Periodontology	Chronic Periodontitis	Dr.Nousheen Khan
Thursday	22/10/2026	8:30-09:30	Lecture Periodontology	Trauma from Occlusion-1	Dr.Shamsher Ali
Monday	26/10/2026	09:30-10:20	Test Periodontology		



Wednesday	28/10/2026	01:20-02:10	Lecture Periodontology	Halitosis	Dr.Nousheen Khan
Thursday	29/10/2026	8:30-09:30	Lecture Periodontology	Brushing techniques	Dr.Shamsher Ali
Wednesday	4/11/2026	01:20-02:10	Lecture Periodontology	Halitosis	Dr.Nousheen Khan
Thursday	5/11/2026	8:30-09:30	Lecture Periodontology	Brushing techniques	Dr.Shamsher Ali
6th November 2026 to 14th November 2026 2nd Term Exam					
Thursday	12/11/2026	09:00-12:00	Periodontology	all the covered topics till 2nd term	
Wednesday	18/11/2026	01:20-02:10	Lecture Periodontology	General Surgical Principles	Dr.Nousheen Khan
Thursday	19/11/2026	8:30-09:30	Lecture Periodontology	Sutures in Periodontal Surgery	Dr.Shamsher Ali
Wednesday	25/11/2026	01:20-02:10	Lecture Periodontology	Flap Surgery -2	Dr.Nousheen Khan
Thursday	26/11/2026	8:30-09:30	Lecture Periodontology	Resective Osseous Surgery	Dr.Shamsher Ali
Monday	30/11/2026	08:30-09:30	Test Periodontology		
Wednesday	2/12/2026	01:20-02:10	Lecture Periodontology	Periodontal Grafts-1	Dr.Nousheen Khan
Thursday	3/12/2026	8:30-09:30	Lecture Periodontology	Gingivectomy /Gingivoplasty	Dr.Shamsher Ali
Monday	7/12/2026	09:30-10:20	Test Periodontology		
Wednesday	9/12/2026	01:20-02:10	Lecture Periodontology	Furcation & its Management	Dr.Nousheen Khan
Thursday	10/12/2026	8:30-09:30	Lecture Periodontology	Muco Gingival Surgery-1 (Esthetic)	Dr.Shamsher Ali
Wednesday	16/12/2026	01:20-02:10	Lecture Periodontology	Adjunctive Role of orthodontic Therapy	Dr.Nousheen Khan
Thursday	17/12/2026	8:30-09:30	Lecture Periodontology	Perio Restorative Interrelationship	Dr.Shamsher Ali
Friday	18/12/2026	8:30-09:30	Test Periodontology		
Wednesday	23/12/2026	01:20-02:10	Lecture Periodontology	Adjunctive Role of orthodontic Therapy	Dr.Nousheen Khan



Thursday	24/12/2026	8:30-09:30	CBL Periodontology	Perio Restorative Interrelationship	Dr.Shamsher Ali
Friday 25th December 2026 Quaid-e-Azam Day					
Monday	28/12/2026	09:30-10:20	Test Periodontology		
Wednesday	30/12/2026	01:20-02:10	Lecture Periodontology	Adjunctive Role of orthodontic Therapy	Dr.Nousheen Khan
Thursday	31/12/2026	8:30-09:30	CBL Periodontology	Perio Restorative Interrelationship	Dr.Shamsher Ali
Wednesday	6/1/2027	01:20-02:10	Lecture Periodontology	Basic Implants Procedure-1	Dr.Nousheen Khan
Thursday	7/1/2027	8:30-09:30	Lecture Periodontology	Supportive Periodontal Therapy	Dr.Shamsher Ali
Friday	8/1/2027	8:30-09:30	Test Periodontology		
Wednesday	13/1/2027	01:20-02:10	Lecture Periodontology	Endo Perio lesions	Dr.Nousheen Khan
Thursday	14/1/2027	8:30-09:30	Lecture Periodontology	Perio Restorative Interrelationship	Dr.Shamsher Ali
Monday	18/1/2027	09:30-10:20	Test Periodontology		
Wednesday	20/1/2027	01:20-02:10	Lecture Periodontology	Endo Perio lesions	Dr.Nousheen Khan
Thursday	21/1/2027	8:30-09:30	Lecture Periodontology	Perio Restorative Interrelationship	Dr.Shamsher Ali
Monday	25/1/2027	09:30-10:20	Test Periodontology		
Wednesday	27/1/2027	01:20-02:10	Lecture Periodontology	Endo Perio lesions	Dr.Nousheen Khan
Thursday	28/1/2027	8:30-09:30	Lecture Periodontology	Perio Restorative Interrelationship	Dr.Shamsher Ali
Monday	1/2/2027	09:30-10:20	Test Periodontology		
Wednesday	3/2/2027	01:20-02:10	Lecture Periodontology	Endo Perio lesions	Dr.Nousheen Khan
Thursday	4/2/2027	8:30-09:30	Lecture Periodontology	Perio Restorative Interrelationship	Dr.Shamsher Ali
Monday	8/2/2027	09:30-10:20	Test Periodontology		



Wednesday	10/2/2027	01:20-02:10	Lecture Periodontology	Endo Perio lesions	Dr.Nousheen Khan
Thursday	11/2/2027	8:30-09:30	Lecture Periodontology	Perio Restorative Interrelationship	Dr.Shamsher Ali
Monday	1/2/2027	09:30-10:20	Test Periodontology		
Wednesday	3/2/2027	01:20-02:10	Lecture Periodontology	Endo Perio lesions	Dr.Nousheen Khan
Thursday	4/2/2027	8:30-09:30	Lecture Periodontology	Perio Restorative Interrelationship	Dr.Shamsher Ali
Sendup Preparatory Leaves 13th Feb 27 to 21th Feb 2027					
Monday	1/3/2027	09:00-12:00	Periodontology Written	All syllabus	

FACILITATORS (PERIODONTOLOGY)

Sr. #	Name	Designation	Department
1	Dr. Nousheen Khan	Professor	Periodontology
2	Dr. Shamsher Ali	Assistant Professor	Periodontology
3	Dr. Maham Mubeen	Senior Registrar	Periodontology
4	Dr. Mehr Un Nisa	Demonstrator	Periodontology
5	Dr. Fatima Altaf	Demonstrator	Periodontology





PERIODONTOLOGY — COURSE LEARNING OBJECTIVES

Sr. No.	Topic	Learning Objective	T&L Strategy	Assessment Tool
1	Historical Background of Periodontology	- Recognise and understand the history of periodontology. - Discuss the evolution of periodontics as a specialty.	Interactive lecture	MCQs
2	Classification of Periodontal Disease	- Describe the concept and apply the AAP classification system of periodontal disease. - Discuss and differentiate gingival diseases, periodontitis, medication-related osteonecrosis of the jaw (MRONJ), necrotizing periodontal diseases, abscesses of the periodontium, periodontitis associated with endodontic lesions, and developmental or acquired deformities and conditions.	Interactive lecture	MCQs
3	Epidemiology of Periodontal Disease	- Define basic concepts of epidemiology as applied to periodontal disease. - Discuss the role of prevention and describe methods used for periodontal indices.	Interactive lecture	MCQs
4	The Normal Periodontium	- Recognise the features of a healthy periodontium. - Describe the macroscopic and microscopic anatomy and physiology of the periodontium.	Interactive lecture	MCQs



Sr. No.	Topic	Learning Objective	T&L Strategy	Assessment Tool
5	Age Changes	- Identify and recognise age-related changes in tooth structure. - Record age-related changes in the alveolar bone and gingiva.	Interactive lecture	MCQs
6	Etiology of Periodontal Disease	- Describe the pathogenesis and histopathology of periodontal disease. - Explain the inflammatory and immune responses in the periodontium and relate pathogenesis to clinical signs. - Recognise signs of resolution of inflammation and describe the concept of host susceptibility.	Interactive lecture	MCQs
7	Periodontal Microbiology & Plaque	- Identify dental plaque and explain its definition, classification, composition, structure and maturation. - Differentiate supragingival from subgingival plaque and describe plaque microbiology.	Interactive lecture	MCQs
8	Dental Calculus	- Describe dental calculus, including its definition, origin, composition, mode of attachment and mineralisation. - Interpret the clinical significance of calculus.	Interactive lecture	MCQs
9	Gingival Inflammation	Describe gingivitis and its types.	Interactive lecture	MCQs



Sr. No.	Topic	Learning Objective	T&L Strategy	Assessment Tool
10	Clinical Features of Gingiva	- Describe the marginal and attached gingiva, gingival sulcus and interdental gingiva. - Relate the clinical and microscopic features of gingiva (colour, size, contour, shape, consistency, surface texture, position).	Interactive lecture	MCQs
11	Defence Mechanism of Gingiva	Describe gingival crevicular fluid (GCF) and the role of saliva in gingival defence.	Interactive lecture	MCQs
12	Acute Gingival Infection	- Describe acute necrotizing ulcerative gingivitis (NUG) and its clinical characteristics. - Explain acute primary herpetic gingivostomatitis and recognise gingival diseases of childhood. - Discuss the aetiological factors and treatment of gingival diseases.	Interactive lecture	MCQs
13	Gingival Abscess / Periodontal Abscess	- Define pericoronitis and describe its clinical and radiographic characteristics, histopathology, pathogenesis, treatment and prognosis. - Describe dental, gingival and periodontal abscesses, including clinical/radiographic features, aetiology and treatment. - Classify periodontal cysts and their types.	Interactive lecture	MCQs



Sr. No.	Topic	Learning Objective	T&L Strategy	Assessment Tool
14	AIDS and the Periodontium	Describe the changes in the oral cavity associated with HIV infection.	Interactive lecture	MCQs
15	Gingival Enlargements	Classify gingival enlargement, including drug-induced, familial and neoplastic gingival enlargement.	Interactive lecture	MCQs
16	Host Response & Host-Bacterial Interactions in Periodontal Disease	- Discuss host responses in periodontal disease. - Describe the microbiologic and immunologic (cell-mediated and humoral) aspects of the host-microbial interaction.	Interactive lecture	MCQs
17	Systemic Diseases and the Periodontium	Explain the periodontal manifestations of various systemic diseases.	Interactive lecture	MCQs
18	Desquamative Gingivitis	- Define desquamative gingivitis and describe its mild, moderate and severe clinical presentations. - Discuss nutritional, hormonal, dermatological, chemotherapeutic and fungal aetiological factors.	Interactive lecture	MCQs
19	Periodontitis: Classification	Describe periodontitis and discuss its clinical and radiographic characteristics.	Interactive lecture	MCQs



Sr. No.	Topic	Learning Objective	T&L Strategy	Assessment Tool
20	Periodontal Pockets: Presentation & Diagnosis	- Define the periodontal pocket, its soft- and hard-tissue walls and pocket contents. - Classify periodontal pockets (suprabony and infrabony) and describe pocket formation and the mechanism of periodontal tissue destruction. - Discuss the aetiology of periodontitis and differentiate gingivitis from periodontitis. Outline the treatment, prevention and systemic manifestations of periodontal disease.	Interactive lecture	MCQs
21	Bone Loss & Patterns of Bone Loss	Discuss bone loss and classify patterns of alveolar bone loss in periodontal disease. Describe periodontal ligament destruction and its relation to bone loss.	Interactive lecture	MCQs
22	External Forces on the Periodontium (Occlusal Trauma)	- Explain the clinical, radiographic, histopathological and aetiological features of periodontal occlusal trauma. - Differentiate acute from chronic, and primary from secondary, trauma. Discuss the consequences and tissue response to trauma, and outline its prognosis, treatment and prevention.	Interactive lecture	MCQs
23	Diagnosis and Treatment Planning	Interpret cause-related disease through history-taking, oral examination and differential diagnosis.	Interactive lecture / Clinical	MCQs / OSCE/ OSVE



Sr. No.	Topic	Learning Objective	T&L Strategy	Assessment Tool
	(Clinical, Radiographic & Advanced Diagnostic Aids)	- Perform plaque recognition by direct visualisation and with disclosing agents. - Perform a periodontal examination, including assessment of furcation involvement, mucogingival defects and tooth mobility grading. Explain the phases of periodontal treatment planning.	demonstration	
24	Smoking and Periodontal Disease	Discuss the diagnosis and treatment plan for smokers, and the hazards of smoking on general and oral health.	Interactive lecture	MCQs
25	Plaque Control and Principles of Oral Prophylaxis	- Describe mechanical control of dental plaque, patient motivation/education/instruction, and interdental cleaning aids. - Explain plaque control in periodontal therapy, including brushing techniques (Bass, modified Bass, Stillman's, modified Stillman's), dental floss, disclosing agents and dentifrices. Describe the role of diet and preventive periodontics.	Interactive lecture / Clinical demonstration	MCQs
26	Periodontal Instrumentation	Describe the parts of periodontal instruments and instrument grasps (standard pen, modified pen, palm-and-thumb). Explain the use of scaling instruments and the procedure of instrument sharpening.	Lecture / Practical session	MCQs / OSPE



Sr. No.	Topic	Learning Objective	T&L Strategy	Assessment Tool
27	Root Planning and Curettage	- Discuss scaling and root planning, including their advantages and disadvantages. - Explain gingival curettage, scaling and deep curettage, and subgingival scaling and root planning.	Lecture / Practical session	MCQs / OSPE
28	Antimicrobials and Other Chemotherapeutic Agents in Periodontal Therapy	- Discuss chemical control of dental plaque. - Explain chemotherapeutic agents used for topical and systemic administration.	Interactive lecture	MCQs
29	Surgical Curettage	Explain gingival curettage and scaling/deep curettage as surgical procedures.	Lecture / Practical session	MCQs / OSPE
30	Gingivectomy and Gingivoplasty	- State the indications and contraindications of periodontal surgery. - Explain the surgical procedure of gingivectomy, including its different modalities, indications and contraindications.	Lecture / Practical session	MCQs / OSPE
31	Osseous Surgery	- Describe ostectomy and osteoplasty. - Explain periodontal regenerative procedures, periodontal dressings and splinting.	Lecture / Practical session	MCQs / OSPE



Sr. No.	Topic	Learning Objective	T&L Strategy	Assessment Tool
32	Flap Surgery	- Discuss the indications and contraindications of periodontal flap surgery. - Describe flap surgery for mucogingival problems, including soft-tissue grafts, pedicle/displaced flaps, free gingival grafts, crown-lengthening, vestibular widening and frenectomy procedures.	Lecture / Practical session	MCQs / OSPE
33	Periodontal-Restorative Inter-relationships	- Explain periodontal-restorative inter-relationships and biologic considerations. - Discuss margin placement, biologic width and its evaluation, and marginal placement guidelines. - Describe clinical procedures for marginal placement, crown contour, aesthetic tissue management and occlusal considerations in restorative therapy.	Interactive lecture	MCQs
34	Oral Malodor	Explain the diagnosis and management of oral malodour (halitosis).	Interactive lecture	MCQs
35	Supportive Periodontal Therapy	Explain periodontal maintenance and state the components of a maintenance programme, including examination/evaluation, plaque-control checks and management of disease recurrence.	Interactive lecture	MCQs
36	Periodontal Treatment of	Determine the significance of medically compromised patients in periodontal practice.	Interactive lecture /	MCQs



Sr. No.	Topic	Learning Objective	T&L Strategy	Assessment Tool
	Medically Compromised Patients	Define and describe treatment modalities and management of medical emergencies accordingly.	Small group discussion	
37	Occlusal Analysis	Compile the diagnosis of occlusal trauma, occlusal adjustment and splinting.	Interactive lecture	MCQs
38	Periodontal Suturing	Describe different suturing techniques, and the types of suturing materials and needles.	Lecture / Practical session	MCQs / OSPE
39	Implantology	- Record the assessment of periodontal bone for implant placement, including indications and contraindications. - Describe the types of dental implants.	Interactive lecture	MCQs



The background of the slide features a large, light blue circular seal of Multan Medical & Dental College. The seal contains a caduceus in the center and the text 'MULTAN MEDICAL & DENTAL COLLEGE' around the perimeter. A white star is positioned at the bottom of the seal.

TEACHING METHODOLOGIES



Instructural Strategies

Delivery of a curriculum also needs a diversity of educational vernacular for the different learning styles. Following are a few of the recommended instructional strategies. It is advised that at least **three different methods of instruction** should be adopted in the institutional planning. This will enable the diversity of learning patterns to be facilitated.

Large Group Interactive Session (LGIS)

Lecture format is the most widely used approach to teaching especially in a large class size with average attention span of 20-30 mins. Interactive lecturing involves a two-way interaction between the presenter and the participants. Interactive methods like brainstorming, buzz group, simulation, role play, and clinical cases can be used.

- **Significance of its usage**
- Relaxed environment, diverse opinions, active involvement
- Increase attention and motivation.
- Independence and group skills.
- Cost effective.
- Suitable for taking advantage of available audiovisual technologies.

Clinical Teaching

Teaching and learning that occurs with actual patient as the focus. It occurs in the dental simulation labs, Dental Clinics and for Oral Medicine in the wards.

- **Significance of its usage**
- Stimulus of clinical contact
- Psychomotor skills
- Communication skills
- Language skills
- Interpersonal skills
- Professional attitudes and empathy
- Role modelling



Case Based Learning

Case-Based Learning (CBL) is a teaching-learning strategy in which students are presented with a clinical case related to Oral Medicine. Students analyze the case, identify clinical findings, formulate differential diagnoses, and discuss appropriate management under the guidance of the teacher.

- Significance of its usage
- Correlates theoretical knowledge with clinical practice.
- Develops clinical reasoning and diagnostic skills.
- Enhances interpretation of oral signs and symptoms.
- Promotes active participation and discussion.
- Develops problem-solving and decision-making skills.





Assessment Strategies

The assessment and evaluation of the students shall be carried out according to the following criteria:

1. INTERNAL ASSESSMENT

Internal Assessment will have a weight age 10 Percent which is **20 marks** in annual examination and the student will be evaluated internally by:

Weekly Assessment will be conducted regularly, consisting of multiple-choice questions (MCQs) and short essay questions (SEQs)

- i. Teaching assignments.
- ii. Maintenance of Logbooks of Clinical Rotation
- iii. Class participation during lectures and demonstrations
- iv. Attitude and behavior of student throughout academic year
- v. Term Examination
- vi. Participation in Research.
- vii. Sendup Examination

2. Class Tests

- a. Class Test will be conducted after completion of every chapter. Assessment tools will be MCQs, OSPE, OSVE and OSCE

3. Final Send-Up Examination

Final Send up Examination will be held at the end of completion of all three terms for complete evaluation before appearance in UHS examination and will be conducted as per Examination Paper Format comprising of Written Theory, Viva/ OSPE.

4. POLICY FOR ATTENDANCE

- According to university of health sciences **75% attendance is mandatory** for the eligibility to sit in the UHS annual examination.

NOTE:

In order to be eligible to appear in UHS Examinations it is compulsory for the student to achieve at least:

- **75% attendance in each Term**
- **50% marks in each Term and Final Send Up Examination**



Learning Resources

1. Clinical Periodontology by Glickman & Carranza
2. Clinical Periodontology and Periodontics by Reddy, Shanti Priya
3. EOP by Elisabeth & Hoe
4. Periodontics: Current Concepts and Treatment Strategies, Peter N. Galgut, Sherie A Dowsatt
5. Manual of Clinical Periodontics, Francis G Serio, Charles E. Hawley
6. Outline of Periodontics by J.D Manson&Eley (4th Edition) Publisher: Wright
7. Guide to Periodontics. Jenkins, Allan & Collins Publisher: Heinemann
8. Colour Atlas of Clinical and Surgical Periodontology by Strahan& Waite
9. A Text book of Clinical Periodontology by Jan Lindhe
10. Fundamentals of Periodontic by Thomas G. Wilson, KennethsKornman.
11. Periodontology and Periodontics, Modern Theory and Practice by Sigurd P. Ramford Major
M. Ash