



# **QUETTA COLLEGE OF DENTISTRY**

**STUDYGUIDE**

**DEPARTMENT OF**

**ORAL MEDICINE**

**3<sup>RD</sup> YEAR BDS**



**Quetta College of dentistry**

**DEPARTMENT OF ORAL MEDICINE**

**STUDY GUIDE 2027**

<b>YEAR</b>	<b>BDS 3RD YR</b>
<b>BLOCK</b>	<b>I, II &amp; III</b>
<b>SUBJECT</b>	<b>ORAL MEDICINE</b>

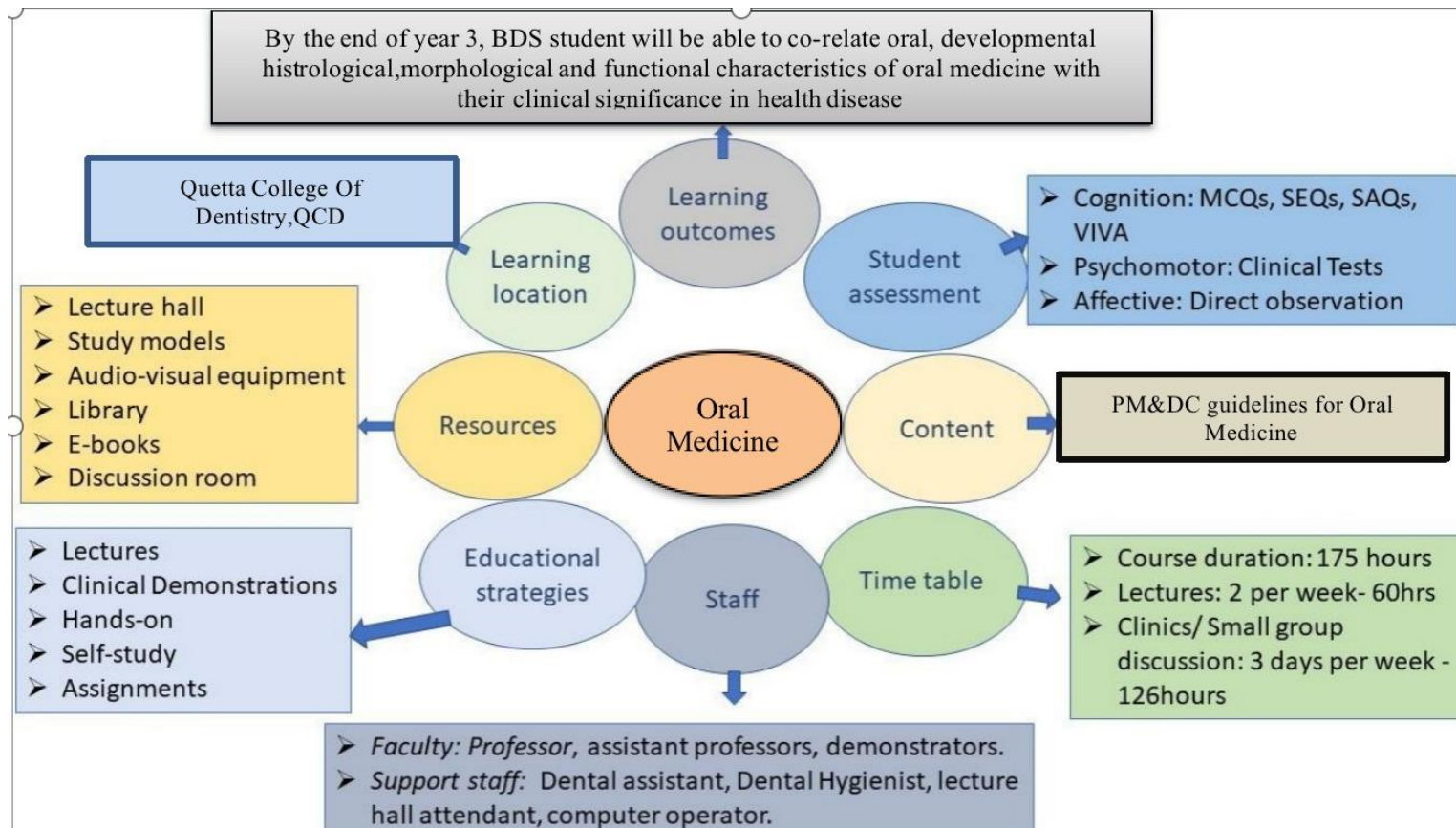
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# INTRODUCTION OF ORAL MEDICINE

A branch of dentistry dealing with disease of oral and para oral structure and the oral management of systemic disease.

## CURRICULUM MAP OF ORAL MEDICINE



## RESOURCES

Teaching Resources

Infrastructure Resources

### Teaching Resources

#### Faculty members

DEPARTMENT OF COMMUNITY & PREVENTIVE DENTISTRY			
1.	Dr. HUMA IMRAN	REGISTRAR	BDS
2.	Dr. MUHAMMAD YOUSUF AWAN	REGISTRAR	BDS

#### Supporting staff

Computer operator/lecture hall attendant  
b) opd

#### ☐ Infrastructure Resources

Sr. #.	Infrastructure Resources
1	Lecture hall Seating Capacity
	Multimedia Computer system

<p><b>2</b></p>	<p>OPD</p> <p>Dental unit</p>
<p><b>3</b></p>	<p>Oral Medicine equipment &amp; Material.</p> <p>Dental unit</p> <p>Mirror , tweezers and probe</p> <p>Sterilization pouch</p> <p>Face mask</p> <p>Instrument tray</p> <p>Gloves and glasses</p> <p>Disposable suction tip</p> <p>Cotton roll</p> <p>Hand piece</p> <p>Examination sets</p>
<p><b>4</b></p>	<p>Library/e Library</p>

**Academic Calendar:**

<b>BLOCK I</b> <b>12+1=13 weeks</b>	<b>BLOCK II</b> <b>12+1=13 weeks</b>	<b>BLOCK III</b> <b>12+1=13 weeks</b>
Research Methodology & Evidence based Medicine, Behavioral Sciences		

# TEACHING AND LEARNING STRATEGIES

Multiple educational methods will be used comprising of self-study, interactive lectures, group discussions, and practical, and manual dexterity skill sessions.

## **Methods for achieving cognitive objectives**

Interactive lectures using audio visual aids on power point presentation.

Group discussions in form of large group and small group

Collaborative learning

Self-study and reading from learning resources.

## **Methods for achieving psychomotor objectives**

Community outreach programs aimed at examining dental health of children and adolescents amongst various schools of Quetta. Imparting oral health education and awareness along with treatment need.

Identification of different instruments from Community outreach program ART armamentarium

Identification of different brushing and floss techniques alongside various tooth numbering system

## **Methods for achieving affective objectives**

Interaction with peers, group members, teachers, support staff etc.

Group discussions (small and large)

Oral presentations by students (Annual Poster Competition)

## **LEARNING METHODOLOGIES**

The following teaching /learning methods are used to promote better understanding:

Interactive lectures

Small group discussions

Practical

Self-directed learning

Assignments

Oral presentations by students

### **Interactive lectures**

In large group, the lecturer introduces a topic which explains the underlying phenomena through questions, pictures, exercise, etc. Students are actively involved in the learning process.

### **Small group discussions**

This format helps students to clarify concepts and acquire skills and attitudes. Students exchange opinions and apply knowledge gained from lectures and self-study. The facilitator role is to ask probing questions, summarize, or rephrase to help clarify concepts.

### **Practical**

In practical sessions, they are also required to maintain practical manuals in which they do brushing and Floss techniques and DMFT exercises.

### **Self- directed learning**

Students' take responsibilities of their own learning through individual study, sharing and discussing with peers, seeking information from Learning Resource Center, teachers and resource persons within and outside the college. Students can utilize the time within the college scheduled hours or afterwards for self-study.

### **Assignments**

Students are given written formative assignments on designated topics.

### **Oral presentations by students**

Students are assigned topics during the session to enhance their communication skills and group learning. Students also take part in the poster competition. Two examiners are invited from various dental college to judge the competition.

## **CURRICULUM IMPLEMENTATION**

Curriculum implementation refers to putting into practice the official document including course content, objectives, learning and teaching strategies. Implementation process helps the learner to achieve knowledge, skills and attitudes required of the learning tasks. Learners are a pertinent component of the implementation process. Implementation occurs when the learner achieves the intended learning experiences, knowledge, ideas, skills and attitudes which are aimed to make the learner an effective part of the society. Curriculum implementation also refers to the stage at which curriculum is put into effect. There must be an implementing agent as well. Teacher is an important part of this process and implementation of the curriculum is the way the teacher selects and utilizes various components of the curriculum. Implementation occurs when the teacher's formulated course

content, teacher's personality and teaching and learning environment interact with the learners. Therefore, curriculum implementation is how the officially planned course of study is translated and reflected by the teacher into schemes of work, lesson plans, syllabus and resources are effectively transferred to the learners. Curriculum implementation can be affected by certain factors such as teachers, learners, learning environment, resource materials and facilities, culture and ideology, instructional supervision, and assessments.

### **Personnel involved in teaching and facilitation.**

Lectures delivery by : DR HUMA IMRAN , DR  
MUHAMMAD YOUSUF AWAN

Demonstrators for practical and small group discussion sessions:

By DR HUMA IMRAN , DR MUHAMMAD YOUSUF AWAN

Support staff:

DSA HANAN  
DSA MANAN

## **Time Frame**

Course duration: 36 weeks

### **Lectures:**

**TUESDAY : 9.30 am to 10.30am**

### **Practical session/tutorials:**

Wednesday , Thursday and Friday ;

11:00 am to 3:00 pm

**Teaching Hours Lectures** =  $(1 * 36) = 36$  hours

**Practical sessions/tutorials/SGD** =  $4 * 3) = 12 * 9 = 108 + 36$  hours = 144 hours

**Self-study hours** = 6hrs

**Total teaching Hours** =  $36 + 108 + 6 =$

150

**PMDC required = 150 hours**

# COURSE OUTCOMES

**3<sup>rd</sup> YEAR BDS**  
**BLOCK WISE**  
**DISTRIBUTION**

**BLOCK-I (12 weeks)**

<b>General Medicine</b>	<b>General Surgery</b>	<b>Periodontology</b>	<b>Oral Pathology</b>	<b>Oral Medicine</b>
<ul style="list-style-type: none"> <li>• Cardiovascular system</li> <li>• Haematology</li> <li>• Nephrology</li> </ul>	<p><b>Principles of surgery</b></p>	<ul style="list-style-type: none"> <li>• Anatomy &amp; physiology of periodontium</li> <li>• Classification of periodontal disease &amp; epidemiology.</li> <li>• Periodontal microbiology</li> <li>• Host response and host bacterial interactions</li> <li>• Local factors and Systemic factors</li> <li>• Periodontal pathogenesis</li> <li>• Gingival inflammation</li> <li>• Periodontal pocket</li> <li>• Bone loss and patterns of bone loss</li> </ul>	<ul style="list-style-type: none"> <li>• White Lesions</li> <li>• Epithelial Pathology</li> <li>• Dental Caries</li> <li>• Haematological Malignancies/Lymphomas</li> <li>• Periapical disorders</li> </ul>	<ul style="list-style-type: none"> <li>• Intro to Oral Med</li> <li>• Principles of Assessment &amp; management</li> <li>• Oral ulcers</li> <li>• Diseases of lips &amp; tongue</li> <li>• Cancer n Precancerous lesions</li> <li>• Oral pigmentation</li> <li>• Vesiculobullous lesions</li> <li>• Blood related disorders</li> <li>• Renal diseases</li> </ul>

**BLOCK-II (12 weeks)**

<b>General Medicine</b>	<b>General Surgery</b>	<b>Periodontology</b>	<b>Oral Pathology</b>	<b>Oral Medicine</b>
<ul style="list-style-type: none"> <li>• Respiratory system</li> <li>• Nervous system</li> <li>• Gastrointestinal system</li> </ul>	<ul style="list-style-type: none"> <li>• Trauma and its management</li> <li>• Anesthesia and its risks</li> </ul>	<ul style="list-style-type: none"> <li>• Effect of Smoking on periodontium</li> <li>• Halitosis</li> <li>• Gingivitis</li> <li>• Acute gingival infections</li> <li>• Desquamative gingivitis</li> <li>• Gingival enlargement</li> <li>• Chronic Periodontitis</li> <li>• Aggressive periodontitis</li> <li>• Necrotizing ulcerative periodontitis</li> <li>• Trauma from occlusion</li> <li>• Perio Non-Surgical Therapy</li> <li>• Plaque biofilm control</li> <li>• Perio-endo/prostho considerations</li> </ul>	<ul style="list-style-type: none"> <li>• Developmental Disturbances of Oral Region</li> <li>• Odontogenic Tumours</li> <li>• Odontogenic Cysts</li> <li>• Non-Odontogenic Cysts</li> <li>• Salivary Glands</li> <li>• Connective Tissue Lesions (Fibrous, Neural tissue lesions)</li> </ul>	<ul style="list-style-type: none"> <li>• Orofacial pain</li> <li>• Facial paralysis</li> <li>• TMDs</li> <li>• Face and neck swellings</li> <li>• Salivary glands</li> <li>• GIT disorders</li> <li>• Nutritional disorders</li> </ul>

### BLOCK-III (12 weeks)

General Medicine	General Surgery	Periodontology	Oral Pathology	Oral Medicine
<ul style="list-style-type: none"> <li>• Endocrinology</li> <li>• Musculoskeletal system</li> <li>• Infections</li> </ul>	<ul style="list-style-type: none"> <li>• Common surgical disorders relevant to dental practice</li> <li>• Quality of care in clinical practice</li> </ul>	<ul style="list-style-type: none"> <li>• General principles of periodontal surgery</li> <li>• Gingival curettage</li> <li>• Gingivectomy and Gingivoplasty</li> <li>• Flap surgery</li> <li>• Modified Widman flap</li> <li>• Osseous surgery</li> <li>• Furcation involvement</li> <li>• Regenerative Periodontal Therapy</li> <li>• Esthetic and periodontal plastic surgery</li> <li>• Supportive Periodontal care</li> <li>• Splinting of Teeth</li> <li>• Oral Implantology</li> </ul>	<ul style="list-style-type: none"> <li>• Connective Tissue (Muscle, Vascular, Adipose and Osseous Lesions)</li> <li>• Immune-mediated Disorders,</li> <li>• Bone Pathology</li> <li>• Viral infections</li> <li>• Fungal Infections</li> <li>• Bacterial/Granulomatous Infections</li> </ul>	<ul style="list-style-type: none"> <li>• Immunity</li> <li>• Endocrinopathies</li> <li>• Disorders of teeth</li> <li>• Osteochemo necrosis</li> <li>• Infections</li> <li>• Medical Emergencies</li> </ul>

## TABLE OF SPECIFICATION

TOPICS AND OBJECTIVES	FACULTY	LEARNING DOMAIN (CPA)	LEARNING STRATEGY	ASSESSMENT				
				Clinical	Viva	OSPE	NUMS MCQs	NUMS SEQs
<b>Oral Medicine</b>								
<b>1. The Oral Mucosa</b>								
<ul style="list-style-type: none"> <li>• Discuss Normal oral Mucosa               <ul style="list-style-type: none"> <li>o Structure</li> <li>o Function</li> <li>o Age changes</li> </ul> </li> </ul>	Dr. HUMA IMRAN	C	Interactive lecture/small group discussion					
<ul style="list-style-type: none"> <li>• Discuss Abnormal oral mucosa</li> </ul>		C	Interactive lecture/small group discussion					
<ul style="list-style-type: none"> <li>• Oral mucosa in generalized disease</li> </ul>		C	Interactive lecture/small group discussion					
<ul style="list-style-type: none"> <li>• Periodontium in generalized disease</li> </ul>		C	Interactive lecture/small group discussion					
<b>2. Principles of oral medicine: assessment and investigation of patients</b>							2(min of 0, max of 2)	2(min of 0, max of 2)
<ul style="list-style-type: none"> <li>• Speciality of oral medicine</li> </ul>		C	Interactive lecture					
<ul style="list-style-type: none"> <li>• Patient assessment o History taking</li> <li>• Examination</li> </ul>		CPA	Interactive lecture/ clinic visits					
<ul style="list-style-type: none"> <li>o Investigations</li> <li>o Blood examination</li> <li>o Clinical chemistry</li> <li>o Immunological</li> </ul>	Dr. M. YOUSUF AWAN	C	Interactive lecture/small group discussion					

<ul style="list-style-type: none"> <li>tests</li> <li>Endocrine function</li> <li>Urinalysis</li> <li>o Biopsy o</li> <li>Microbiol</li> <li>o o ogical</li> <li>investigati ons</li> <li>Imaging techniques</li> <li>.</li> </ul>								
<ul style="list-style-type: none"> <li>• Discuss how to form diagnosis</li> </ul>		<b>C</b>	Interactive lecture/casebased discussion					
<b>3. Therapy</b>								
<ul style="list-style-type: none"> <li>• Discuss Principles of Therapy</li> </ul>	Dr.HUMA IMRAN	<b>C</b>	Interactive lecture					
<ul style="list-style-type: none"> <li>• Discuss topical therapy</li> <li>o o Covering agents</li> <li>Topical antiseptics</li> <li>o o Topical analgesics</li> <li>• Topical antibiotics</li> <li>Topical corticosteroids</li> </ul>		<b>C</b>	Interactive lecture/casebased discussion					
<ul style="list-style-type: none"> <li>• Discuss Creams and ointments</li> </ul>		<b>C</b>	Interactive lecture/ case based discussion					

<ul style="list-style-type: none"> <li>• o Discuss systemic therapy Systemic corticosteroids</li> <li>o Azathioprine</li> <li>• Other systemic drugs used in oral medicine</li> </ul>		<b>C</b>	Interactive lecture/ Case based discussion					
<ul style="list-style-type: none"> <li>• Discuss Limitations of therapy</li> </ul>		<b>C</b>	Interactive lecture/ case based discussion					
<b>4. Infections of gingivae and oral muosa</b>							2(min of 0, max of 2)	2(min of 0, max of 2)
<ul style="list-style-type: none"> <li>• o Discuss Bacterial infections</li> <li>o Acute necrotizing ulcerative gingivitis</li> <li>o Syphilis</li> <li>Gonorrhea Non-specific urethritis</li> <li>Tuberculosis</li> </ul>	Dr. M. YOUSF AWAN	<b>C</b>	Interactive lecture/ case based discussion					
<ul style="list-style-type: none"> <li>• Discuss Fungal infections Oral candidiosis</li> </ul>		<b>C</b>	Interactive lecture/ case based discussion					

<ul style="list-style-type: none"> <li>• o Discuss Viral infections Herpes simplex virus</li> <li>o o infections Varicella zoster virus</li> <li>o o infections Epstein-Barr virus</li> <li>o Paramyxovirus infections</li> <li>Human papillomavirus infections</li> <li>Human immunodeficiency virus and AIDS</li> </ul>		<b>C</b>	Interactive lecture/ case based discussion					
<b>5. Oral Ulceration</b>							3(min of 0 , max of 3)	2(min of 0, max of 2)
<ul style="list-style-type: none"> <li>• Discuss Traumatic ulceration Aetiology</li> <li>o o Clinical features</li> <li>o Management</li> </ul>	Dr.HUMA IMRAN	<b>C</b>	Interactive lecture/casebased discussion					
<ul style="list-style-type: none"> <li>• Discuss Recurrent aphthous stomatitis (RAS) Clinical features</li> <li>o o Aetiology of RAS</li> <li>o Histopathology and immunopathogenesis of RAS</li> <li>o Systemic conditions and RAS like lesions</li> <li>o Management of RAS</li> </ul>		<b>C</b>	Interactive lecture/casebased discussion					
<ul style="list-style-type: none"> <li>• Behcet's disease</li> </ul>		<b>C</b>	Interactive lecture					

6. Diseases of the lips and tongue and disturbances of taste and halitosis								3(min 3of0, max of 3)	2(min of 0, max of 2)
<ul style="list-style-type: none"> <li>• Discuss diseases of the lips</li> <li>○ Swelling of the lips</li> <li>○ Angular cheilitis (angular stomatitis, chelosis, perleche)</li> <li>○ Lip fissures</li> <li>○ Allergic cheilitis</li> <li>○ Actinic cheilitis (solar keratosis)</li> <li>○ Exfoliative cheilitis</li> <li>○ Perioral dermatitis</li> <li>○ Lick eczema</li> <li>○ Cheilocandidosis</li> </ul>	Dr. M. YOUSUF AWAN	C	Interactive lecture/ case based discussion						
<ul style="list-style-type: none"> <li>• Discuss diseases of tongue</li> <li>○ Developmental abnormalities and morphological variations</li> <li>○ Tongue fissures</li> <li>○ Coated tongue</li> <li>○ Hairy tongue</li> <li>○ Atrophy of the lingual epithelium</li> <li>○ Traumatic irritation of the tongue</li> <li>○ Enlargement of the foliate papillae</li> <li>○ Geographic tongue (erythema migrans, benign migratory glossitis), median rhomboid glossitis</li> </ul>		C	Interactive lecture/ case based discussion						
<ul style="list-style-type: none"> <li>• Discuss disturbances of taste and halitosis</li> <li>○ Disturbances of taste</li> </ul>		C	Interactive lecture/ case based discussion						

7. Swellings of the face and neck							2(min of 0, max of 2)	2(min of 0, max of 2)
<ul style="list-style-type: none"> <li>Discuss facial swellings</li> <li>Differential diagnosis</li> </ul>	Dr.HUMA IMRAN	C	Interactive lecture/casebased discussion					
<ul style="list-style-type: none"> <li>Discuss Swellings in the neck</li> </ul>		C	Interactive lecture					
<ul style="list-style-type: none"> <li>Discuss Cervical lymphadenopathy</li> <li>Differential diagnosis</li> <li>Examination of the lymph nodes</li> <li>Inflammatory causes</li> <li>Neoplastic causes of lymph node enlargement</li> </ul>		C	Interactive lecture/ case based discussion					
8. Salivary glands and saliva							2(min of 0, max of 2)	2(min of 0, max of 2)
<ul style="list-style-type: none"> <li>Discuss saliva and salivary glands</li> <li>Saliva</li> <li>Salivary glands</li> </ul>	Dr. M. YOUSUF AWAN	C	Interactive lecture					
<ul style="list-style-type: none"> <li>Discuss assessment of the salivary glands</li> <li>Examination of</li> <li>Measurement of the salivary flow</li> <li>Salivary gland imaging</li> <li>Sialochemistry</li> <li>Biopsy</li> </ul>		CPA	Interactive lecture/clinical session					

<ul style="list-style-type: none"> <li>• Discuss salivary gland diseases</li> <li>○ Sialdenitis</li> <li>○ Sialosis</li> <li>○ Necrotizing sialometaplasia</li> <li>○ Sarcoidosis</li> <li>○ HIV-associated salivary gland disease</li> <li>○ Salivary gland tumors</li> </ul>		<b>C</b>	Interactive lecture/ case based discussion					
<b>9. Inflammatory overgrowths, developmental and benign lesions, and pigmentation of the oral mucosa</b>							2	3(min of 0, max of3)
<ul style="list-style-type: none"> <li>• Inflammatory overgrowths</li> <li>○ Epulides</li> <li>○ Fibroepithelial polyp</li> <li>○ Denture granuloma</li> <li>○ Focal epithelial hyperplasia (Heck's disease)</li> </ul>	Dr. HUMA IMRAN	<b>CA</b>	Interactive lecture/SGD					
<ul style="list-style-type: none"> <li>• Developmental lesions</li> <li>○ Hamartomas</li> <li>• Developmental white lesions</li> </ul>		<b>CA</b>	Interactive lecture/SGD					
<ul style="list-style-type: none"> <li>• Benign neoplasms</li> <li>• Squamous cell papilloma</li> </ul>		<b>CA</b>	Interactive lecture/SGD					
<ul style="list-style-type: none"> <li>• Miscellaneous benign conditions</li> <li>○ Traumatic keratoses</li> <li>○ Nicotinic stomatitis (pipe smokers' palate)</li> </ul>		<b>CA</b>	Interactive lecture/SGD					

<ul style="list-style-type: none"> <li>Leukoedema</li> </ul>								
<ul style="list-style-type: none"> <li>Pigmentation of the oral mucosa</li> <li>o Amalgam tattoos</li> <li>o Melanotic pigmentation</li> <li>o Oral melanoma</li> </ul>		C	Interactive lecture/SGD					

<b>10. Precancerous Lesions and Conditions</b>							2	3(min of 0, max of 3)
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<ul style="list-style-type: none"> <li>Precancerous lesions</li> <li>o Leukoplakia</li> <li>o Erythroleukoplakia</li> <li>o Speckled leukoplakia</li> <li>o Candidal leukoplakia (chronic hyperplastic candidosis)</li> <li>o Malignant transformation of precancerous lesions</li> <li>o Management of precancerous lesions</li> </ul>	Dr. M. YOUSUF AWAN	CPA	Interactive lecture/casebased discussion/ Clinics					
<ul style="list-style-type: none"> <li>o Precancerous conditions</li> <li>o Oral submucous fibrosis (OSF)</li> <li>o Sidroptic dysplasia</li> <li>o Lichen planus</li> </ul>		CPA	Interactive lecture/casebased discussion/ Clinics					

<ul style="list-style-type: none"> <li>Other precancerous conditions</li> </ul>								
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<ul style="list-style-type: none"> <li>• Oral carcinoma and carcinogenesis</li> <li>○ Aetiological factors for oral squamous cell carcinoma</li> <li>○ Clinical features and diagnosis of oral carcinoma</li> <li>○ Staging systems for oral carcinoma</li> <li>○ The management of oral carcinoma</li> <li>○ Prevention of oral carcinoma</li> <li>• Oral carcinoma as a genetic disease</li> </ul>		CPA	Interactive lecture/casebased discussion/ Clinics						
<b>11. Mucocutaneous disease and connective tissue disorders</b>								1	3(min of 0, max of 3)
<ul style="list-style-type: none"> <li>• Mucocutaneous disease</li> </ul>	Dr. HUMA IMRAN	C	Interactive lecture						
<ul style="list-style-type: none"> <li>• Lichen planus and lichenoid reactions</li> </ul>		CPA	Interactive lecture/case based discussions/ clinical session						
<ul style="list-style-type: none"> <li>• Immunobulbous diseases</li> <li>○ Pemphigus</li> <li>○ Pemphigoid</li> <li>○ Dermatitis herpetiformis</li> <li>• Linear IgA disease</li> </ul>		CA	Interactive lecture/casebased discussion						
<ul style="list-style-type: none"> <li>• Epidermolysis bullosa</li> </ul>		C	Interactive lecture						
<ul style="list-style-type: none"> <li>• Erythema multiforme</li> </ul>		CA	Interactive lecture/SGD						

<ul style="list-style-type: none"> <li>• Idiopathic oral blood blisters (Angina bullosa Haemorrhagica)</li> </ul>		CA	Interactive lecture/small group discussion							
<ul style="list-style-type: none"> <li>• o Connective tissue diseases Lupus erythematosus Morphoea and systemic sclerosis Mixed connective tissue disease</li> </ul>		CA	Interactive lecture/small group discussion							
<b>12. Gastrointestinal diseases</b>									2(min of 0 , max of 2)	1(min of 0, max of 1)
<ul style="list-style-type: none"> <li>• Coeliac disease (glutensensitive enteropathy) Oral manifestation of celiac disease</li> </ul>	Dr.HUMA IMRAN	C	Interactive lecture							
<ul style="list-style-type: none"> <li>• Inflammatory bowel disease (IBD)</li> <li>o o Crohn's disease Oral Crohn's disease Orofacial granulomatosis</li> <li>o Ulcerative colitis Stomatosis and</li> <li>• inflammatory bowel disease</li> </ul>		CA	Interactive lecture/small group discussion							
<ul style="list-style-type: none"> <li>• Gastro oesophageal reflux disorder (GORD)</li> </ul>		CA	Interactive lecture/small							

			l group discussion							
<b>13. Blood and nutrition, endocrine disturbances, and renal disease</b>									2(min of 0, max of 2)	1(min of 0, max of 1)

<ul style="list-style-type: none"> <li>• Disorders of the blood</li> <li>○ Anaemias</li> <li>○ Oral signs and symptoms in anaemia</li> <li>○ Management of patients with anaemias and haematinic deficiencies</li> <li>○ Leukemia</li> <li>○ Leukopenia</li> <li>○ Myelodysplastic syndrome</li> <li>○ Platelet abnormalities</li> <li>○ The selection of patients for haematological examination</li> </ul>	<p>Dr M. YOUSUF AWAN</p>	C	Interactive lecture					
<ul style="list-style-type: none"> <li>• Disorders of nutrition</li> <li>○ Nutritional deficiencies</li> <li>• Scurvy</li> </ul>		C	Interactive lecture/casebased discussion					
<ul style="list-style-type: none"> <li>• Endocrine disturbances</li> <li>○ Normal endocrine changes</li> <li>○ Adrenocortical diseases</li> <li>○ Thyroid disease</li> <li>• Diabetic mellitus</li> </ul>		CA	Interactive lecture/small group discussion					
<ul style="list-style-type: none"> <li>• Renal disease</li> </ul>		CA	Interactive lecture/small					

<ul style="list-style-type: none"> <li>○ Chronic renal failure</li> <li>○ Renal patients undergoing dialysis</li> <li>○ Renal transplant patients</li> </ul>			1 group discussion					
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14. Immunodeficiency, hypersensitivity, autoimmunity and oral reactions to drug therapy							1	1 1(min of 0, max of 1)
• Immunodeficiency	Dr Dr.HUMA IMRAN	C	Interactive lecture					
• Hypersensitivity		C	Interactive lecture					
• Angioedema		CA	Interactive lecture/small group discussion					
• C1 esterase inhibitor deficiency		C	Interactive lecture					
• Autoimmunity		CA	Interactive lecture/small group discussion					
• o Oral reactions to drug therapy o o Spectrum of adverse reactions Oral reactions o antibiotics Oral reactions to steroids Drug therapy and periodontal tissues Fixed drug eruptions		CA	Interactive lecture/small group discussion					

15. Facial Pain and neurological disturbances							2	1(min of 0, max of 1)
• Facial pain: an overview o The nerve supply of the face o The evaluation of facial pain		C	Interactive lecture/casebased					

<ul style="list-style-type: none"> <li>• Neuropathic pain</li> <li>○ Trigeminal neuralgia</li> <li>○ Glossopharyngeal neuralgia</li> <li>○ Postherpetic neuralgia</li> <li>○ Neuropathic pain secondary to other conditions</li> </ul>	Dr M. YOUSUF AWAN	C	Interactive lecture/casebased discussion					
<ul style="list-style-type: none"> <li>• Migraine</li> </ul>		CA	Interactive lecture/clinical sessions /small group discussion					
<ul style="list-style-type: none"> <li>• Cluster headaches (periodic migrainous neuralgia/ migrainous neuralgia)</li> </ul>	Dr. HUMA IMRAN	CA	Interactive lecture/small group discussion					
<ul style="list-style-type: none"> <li>• Tension type headache</li> </ul>		CA	Interactive lecture/small group discussion					
<ul style="list-style-type: none"> <li>• Facial Pain: miscellaneous conditions</li> <li>○ Giant cell arteritis (temporal arteritis/cranial arerirtis)</li> </ul>	CA	Interactive lecture/clinical sessions /small group discussion						

<ul style="list-style-type: none"> <li>○ Auriculotemporal syndrome (Frey's syndrome)</li> </ul>								
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• Osteoarthritis (osteoarthritis)		C	Interactive lecture/ case-based discussion					
• Masseteric Hypertrophy		C	Interactive lecture / case-based discussion					
• Tumors		CPA	Interactive lecture/small group discussion/c ase-based discussion					
<b>17. Psychogenic orofacial problems</b>							2	1(min of 0, max of1)
<ul style="list-style-type: none"> <li>• Chronic orofacial pain <ul style="list-style-type: none"> <li>o Atypical facial pain</li> <li>o Atypical odontalgia</li> <li>o Oral dysaesthesia (Burning mouth syndrome)</li> <li>o Management of chronic orofacial pain</li> <li>o</li> </ul> </li> </ul>	Dr. HUMA IMRAN	CPA	Interactive lecture/ small group discussion					
• Disturbances in taste and salivation		C	Interactive lecture/casebased discussion					

• Dysmorphophobia		C	Interactive lecture/casebased discussion					
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• Self-injurious behavior		C	Interactive lecture/casebased discussion					
• Eating disorders		C	Interactive lecture/casebased discussion					
• Drugs and Alcohol		C	Interactive lecture/casebased discussion					
<b>18. Disorders of teeth and bone</b>							2	1 (min of 0, max of 1)
<ul style="list-style-type: none"> <li>• Disorders of teeth <ul style="list-style-type: none"> <li>◦ Hypodontia</li> <li>◦ Variation in eruption</li> <li>◦ Variation in size of teeth</li> <li>◦ Non carious tooth surface loss</li> <li>◦ Discoloration of the teeth</li> </ul> </li> <li>Disturbances of the structure and enamel and dentine</li> </ul>	Dr.M. YOUSUF AWAN	C	Interactive lecture/casebased discussion					
<ul style="list-style-type: none"> <li>• Disorders of bone <ul style="list-style-type: none"> <li>◦ Inherited and development disturbances</li> </ul> </li> </ul>		C	Interactive lecture/small group discussion					
<ul style="list-style-type: none"> <li>◦ Metabolic and endocrine disturbances</li> <li>◦ Disorders of unknown aetiology paget's disease</li> </ul>								
<b>19. Medical emergencies in dentistry</b>							2	1

<ul style="list-style-type: none"> <li>The prevention of medical emergencies</li> </ul>	Dr. HUMA IMRAN	CA	Interactive lecture/small group discussion /role plays					
<ul style="list-style-type: none"> <li>Administration of drugs</li> <li>o Routes of administration of drugs</li> </ul>		CA	Interactive lecture/small group discussion/ role plays					
<ul style="list-style-type: none"> <li>Emergency drugs and equipment</li> </ul>		CA	Interactive lecture/small group discussion/ role plays					
<ul style="list-style-type: none"> <li>Management of emergencies</li> </ul>		CAP	Interactive lecture/small group discussion/ role plays					

## Learning resources

<u>Topic</u>	<u>Resources</u>
The Oral Mucosa	<p>Tyldesley's Oral Medicine, 5th Edition, by Anne Field &amp; Lesley Longman.</p> <p>Oral and Maxillofacial Medicine, the Basis of Diagnosis and Treatment, 3<sup>rd</sup> Edition, by Crispian Scully.</p> <p>Medical Problems in Dentistry, 6th Edition, by Crispian Scully.</p> <p>A Clinical guide to Oral Medicine by P J Lamely &amp; M A O Lewis.</p>
Principles of oral medicine: assessment and investigation of patients	<p>Tyldesley's Oral Medicine, 5th Edition, by Anne Field &amp; Lesley Longman.</p> <p>Oral and Maxillofacial Medicine, the Basis of Diagnosis and Treatment, 3<sup>rd</sup> Edition, by Crispian Scully.</p> <p>Medical Problems in Dentistry, 6th Edition, by Crispian Scully.</p> <p>A Clinical guide to Oral Medicine by P J Lamely &amp; M A O Lewis.</p>
Therapy	<p>Tyldesley's Oral Medicine, 5th Edition, by Anne Field &amp; Lesley Longman.</p> <p>Oral and Maxillofacial Medicine, the Basis of Diagnosis and Treatment, 3<sup>rd</sup> Edition, by Crispian Scully.</p> <p>Medical Problems in Dentistry, 6th Edition, by Crispian Scully.</p> <p>A Clinical guide to Oral Medicine by P J Lamely &amp; M A O Lewis.</p>
Infections of gingivae and oral mucosa	<p>Tyldesley's Oral Medicine, 5th Edition, by Anne Field &amp; Lesley Longman.</p> <p>Oral and Maxillofacial Medicine, the Basis of Diagnosis and Treatment, 3<sup>rd</sup> Edition, by Crispian Scully.</p> <p>Medical Problems in Dentistry, 6th Edition, by Crispian Scully.</p> <p>A Clinical guide to Oral Medicine by P J Lamely &amp; M A O Lewis.</p>

Oral Ulceration	<p>Tyldesley's Oral Medicine, 5th Edition, by Anne Field &amp; Lesley Longman.</p> <p>Oral and Maxillofacial Medicine, the Basis of Diagnosis and Treatment, 3<sup>rd</sup> Edition, by Crispian Scully.</p> <p>Medical Problems in Dentistry, 6th Edition, by Crispian Scully.</p> <p>A Clinical guide to Oral Medicine by P J Lamely &amp; M A O Lewis.</p>
Diseases of the lips and tongue and disturbances of taste and halitosis	<p>Tyldesley's Oral Medicine, 5th Edition, by Anne Field &amp; Lesley Longman.</p> <p>Oral and Maxillofacial Medicine, the Basis of Diagnosis and Treatment, 3<sup>rd</sup> Edition, by Crispian Scully.</p> <p>Medical Problems in Dentistry, 6th Edition, by Crispian Scully.</p> <p>A Clinical guide to Oral Medicine by P J Lamely &amp; M A O Lewis.</p>
Swellings of the face and neck	<p>Tyldesley's Oral Medicine, 5th Edition, by Anne Field &amp; Lesley Longman.</p>

	<p>Oral and Maxillofacial Medicine, the Basis of Diagnosis and Treatment, 3<sup>rd</sup> Edition, by Crispian Scully.</p> <p>Medical Problems in Dentistry, 6th Edition, by Crispian Scully.</p> <p>A Clinical guide to Oral Medicine by P J Lamely &amp; M A O Lewis.</p>
Salivary glands and saliva	<p>Tyldesley's Oral Medicine, 5th Edition, by Anne Field &amp; Lesley Longman.</p> <p>Oral and Maxillofacial Medicine, the Basis of Diagnosis and Treatment, 3<sup>rd</sup> Edition, by Crispian Scully.</p> <p>Medical Problems in Dentistry, 6th Edition, by Crispian Scully.</p> <p>A Clinical guide to Oral Medicine by P J Lamely &amp; M A O Lewis.</p>

<p>Inflammatory overgrowths, developmental and benign lesions, and pigmentation of the oral mucosa</p>	<p>Tyldesley's Oral Medicine, 5th Edition, by Anne Field &amp; Lesley Longman.  Oral and Maxillofacial Medicine, the Basis of Diagnosis and Treatment, 3<sup>rd</sup> Edition, by Crispian Scully.  Medical Problems in Dentistry, 6th Edition, by Crispian Scully.  A Clinical guide to Oral Medicine by P J Lamely &amp; M A O Lewis.</p>
<p>Precancerous lesions and conditions. Oral carcinoma and carcinogenesis</p>	<p>Tyldesley's Oral Medicine, 5th Edition, by Anne Field &amp; Lesley Longman.  Oral and Maxillofacial Medicine, the Basis of Diagnosis and Treatment, 3<sup>rd</sup> Edition, by Crispian Scully.  Medical Problems in Dentistry, 6th Edition, by Crispian Scully.  A Clinical guide to Oral Medicine by P J Lamely &amp; M A O Lewis.</p>
<p>Mucocutaneous disease and connective tissue disorders</p>	<p>Tyldesley's Oral Medicine, 5th Edition, by Anne Field &amp; Lesley Longman.  Oral and Maxillofacial Medicine, the Basis of Diagnosis and Treatment, 3<sup>rd</sup> Edition, by Crispian Scully.</p>

	<p>Medical Problems in Dentistry, 6th Edition, by Crispian Scully.  A Clinical guide to Oral Medicine by P J Lamely &amp; M A O Lewis.</p>
<p>Gastrointestinal diseases</p>	<p>Tyldesley's Oral Medicine, 5th Edition, by Anne Field &amp; Lesley Longman.  Oral and Maxillofacial Medicine, the Basis of Diagnosis and Treatment, 3<sup>rd</sup> Edition, by Crispian Scully.  Medical Problems in Dentistry, 6th Edition, by Crispian Scully.  A Clinical guide to Oral Medicine by P J Lamely &amp; M A O Lewis.</p>

<p>Blood and nutrition, endocrine disturbances, and renal disease</p>	<p>Tyldesley's Oral Medicine, 5th Edition, by Anne Field &amp; Lesley Longman.  Oral and Maxillofacial Medicine, the Basis of Diagnosis and Treatment, 3<sup>rd</sup> Edition, by Crispian Scully.  Medical Problems in Dentistry, 6th Edition, by Crispian Scully.  A Clinical guide to Oral Medicine by P J Lamely &amp; M A O Lewis.</p>
<p>Immunodeficiency, hypersensitivity, autoimmunity and oral reactions to drug therapy</p>	<p>Tyldesley's Oral Medicine, 5th Edition, by Anne Field &amp; Lesley Longman.  Oral and Maxillofacial Medicine, the Basis of Diagnosis and Treatment, 3<sup>rd</sup> Edition, by Crispian Scully.  Medical Problems in Dentistry, 6th Edition, by Crispian Scully.  A Clinical guide to Oral Medicine by P J Lamely &amp; M A O Lewis.</p>
<p>Facial Pain and neurological disturbances</p>	<p>Tyldesley's Oral Medicine, 5th Edition, by Anne Field &amp; Lesley Longman.  Oral and Maxillofacial Medicine, the Basis of Diagnosis and Treatment, 3<sup>rd</sup> Edition, by Crispian Scully.  Medical Problems in Dentistry, 6th Edition, by Crispian Scully.  A Clinical guide to Oral Medicine by P J Lamely &amp; M A O Lewis.</p>
<p>Temporomandibular disorders</p>	<p>Tyldesley's Oral Medicine, 5th Edition, by Anne Field &amp; Lesley Longman.  Oral and Maxillofacial Medicine, the Basis of Diagnosis and Treatment, 3<sup>rd</sup> Edition, by Crispian Scully.  Medical Problems in Dentistry, 6th Edition, by Crispian Scully.  A Clinical guide to Oral Medicine by P J Lamely &amp; M A O Lewis.</p>

Psychogenic orofacial problems	Tyldesley's Oral Medicine, 5th Edition, by Anne Field & Lesley Longman. Oral and Maxillofacial Medicine, the Basis of Diagnosis and Treatment, 3 <sup>rd</sup> Edition, by Crispian Scully. Medical Problems in Dentistry, 6th Edition, by Crispian Scully. A Clinical guide to Oral Medicine by P J Lamely & M A O Lewis.
Disorders of teeth and bone	Tyldesley's Oral Medicine, 5th Edition, by Anne Field & Lesley Longman. Oral and Maxillofacial Medicine, the Basis of Diagnosis and Treatment, 3 <sup>rd</sup> Edition, by Crispian Scully. Medical Problems in Dentistry, 6th Edition, by Crispian Scully. A Clinical guide to Oral Medicine by P J Lamely & M A O Lewis.
Medical emergencies in dentistry	Tyldesley's Oral Medicine, 5th Edition, by Anne Field & Lesley Longman. Contemporary Oral and Maxillofacial surgery 6 <sup>th</sup> Edition by James R. Hupp, Edward Ellis III, Myron R. Tucker

**OTHER  
LEARNING  
RESOURCES**

<b><u>Clinics / Practical</u></b>	Students will be involved in clinical work in the clinics of Oral Medicine and diagnosis
<b><u>Videos</u></b>	Videos to familiarize the students with the procedures and protocols to assess patients.
<b><u>Computer Lab/CSs/DVDs/ Internet Resources:</u></b>	To increase the knowledge, students should utilize the available internet resources and CDs/ DVDs. This will be an additional advantage to increase learning.
<b><u>Self-Learning</u></b>	Self-Learning is scheduled to search for information to solve cases, read through different resources and discuss among the peers and with the faculty to clarify the concepts.

## SUMMATIVE ASSESSMENT METHODS AND POLICIES

### ASSESSMENT METHODS:

#### Internal Assessment (IA)

- a. Weightage of internal assessment shall be 10 %, each for theory and practical, in BDS Professional Examination.
- b. The Internal Assessment shall comprise of monthly test / PBL / assignments / Clinical tests / clinical vivas etc
- c. The Internal Assessment record shall be kept in the respective department of the College / Institute and after approval of Principal, a summary as per University registration number shall be furnished to the Controller of Examinations, at least two weeks before the commencement of final examination.
- d. The result of all the class tests / tools which contribute towards IA will be displayed to the students during an academic year.
- e. The same internal assessment shall be counted both for annual and supplementary examinations. The students who are relegated, however, can improve the internal assessment during subsequent year
- f. Internal assessment tools of any subject may be changed after the approval of respective FBS

#### **Annual Examination**

The weightage of Annual Examination shall be 80%, each for theory and practical, in BDS.

The examination comprises of a theory paper and practical/clinical examinations as per PM&DC regulations and the Table of Specifications (TOS) of the University.

The gap between two consecutive theory papers shall not be more than two days.

The Theory Paper shall be of 3-hours duration, held under the arrangements of the university. It shall have two parts: MCQs and SEQs for the year 2027 . It may be changed after the approval of Academic Council.

#### **Internal Examiner**

He/she shall be Professor/Associate Professor and Head of Department who has been involved in teaching of the class being examined for at least six months and has delivered

75% of the total lectures. Second preference shall be Associate/Assistant Professor who is involved in teaching of the class and posted there for one year. Third preference shall be a recognized Professor of the subject.

#### **External Examiner**

He/she shall be a Professor/Associate Professor of a recognized Medical/Dental College or at least an Assistant Professor with three years teaching experience in the relevant subject.

## **Conflict of Interest**

No person shall serve as an examiner whose close relative (wife, husband, son, daughter, adopted son, adopted daughter, grand-son, grand-daughter, brother, sister, niece /nephew, son and daughter- in-law brother and sister- in-law, parental and maternal uncle and aunt etc) is appearing in the examination. All examiners likely to serve as an examiner shall render a certificate in compliance to this para.

## **Paper Setting**

Each College / Institute shall forward a set of two question papers as per TOS along with the key for each subject to the Controller of Examinations, at least three months in advance of the annual examination. The question paper as a whole / a question without a Comprehensive key shall not be considered towards final paper setting.

The set of question papers shall be prepared by the respective Head of Department (HOD) and furnished to Controller of Examinations through Head of Institution (HOI). The Controller of Examinations shall approve the faculty for the final paper setting having fair representation of each college / institute.

## **Paper Assessment**

The Controller of Examinations shall approve the faculty for the theory paper marking, to be undertaken in the manner as deemed appropriate. The Examination Directorate shall coordinate directly with the faculty, earmarked for the paper marking.

A student who scores 85% and above marks in any subject shall qualify for distinction in that subject.

A fraction in aggregate marks of a subject shall be rounded off to whole number. If it is less than 0.5 then it will be rounded off to the previous whole number while 0.5 or more will be rounded off to the next whole number.

## **Practical Examinations**

The Controller of Examinations shall approve the faculty to serve as the internal & external examiners.

The number of external and internal examiners shall be equal.

One external & internal examiner each shall be marked for a group of 100 students.

Candidates may be divided into groups for practical examinations and be standardized by incorporating OSPE stations.

Practical examination shall be held after the theory examination of the subject but in special cases, it may be held before the theory examination with the approval of the Controller of

Examinations. For practical/clinical examination, the candidates may be divided into subgroups by the examiners.

The assessment of the practical examination duly signed by internal & external examiner shall be furnished to the Controller of Examinations within one week of the conclusion of examination.

**Pass Marks**

Pass marks for all subjects shall be 50 % in theory and practical, separately.

No grace marks shall be allowed to any student in any examination.

**Declaration of Result**

Every effort shall be made to declare the result of each examination within one month of the last practical examination or earlier.

**Promotion**

No student shall be promoted to the higher classes unless he/she passes all the subjects of the previous class.

**Re-totaling**

Any student may apply to the Controller of Examinations on a prescribed form along with the specified fee.

**Supplementary Examination**

The interval between a supplementary examination and the previous professional examination shall not be more than two months. There shall be no special supplementary examination.

**Academic Audit**

The Vice Chancellor may get any academic matter deliberated in the manner as deemed appropriate.

**Issue of Academic Transcript/Detailed Marks Sheet**

A student desirous of obtaining Academic Transcript / Detailed Mark Sheet may apply to Controller of Examinations along with the prescribed fee for each original copy.

**Withdrawal/Failure**

Any student who fails to clear the first Professional in BDS or first in four chances, availed or un-availed, shall be expelled as per PM& DC policy and shall not be eligible for fresh admission as a fresh candidate in either BDS.

**Third Professional BDS Examination (2022)**  
**Oral Medicine**

Marks of theory paper = 40  
Time Allowed = 1.5 hrs  
Internal assessment = 10  
Total marks = 50  
Pass Marks = 25

**Paper-1**

30 x MCQs (20 Marks) Time = 30 min

**Paper-2**

04x SEQs (4x5 Marks) (20 Marks) Time = 60 min

S. NO	Block	Topics	Number. of MCQs (30)		No. of SEQs (04) (4x5 Marks)
			Recall:12	Application: 18	
1	I	Principles of oral medicine: assessment and investigations of patient	1	1	2
2		Oral ulceration			
3		Diseases of lips and tongue	2		
4		Precancerous lesions and conditions	1	1	
5		Oral Carcinoma & Carcinogenesis	1	1	
6		Oral pigmentation & Inflammatory overgrowths	1	1	
7		Vesiculobullous diseases and connective tissue disorders	1	2	
8	II	Orofacial, Neurologic & Psychogenic Pain	1	2	1
9		Facial Paralysis			
10		Temporomandibular disorders	1	1	
11		Swellings of face and neck			
12		Salivary glands diseases and disturbances of salivary flow.	1	1	
13		Oral manifestations of systemic diseases (Blood, GIT, Nutritional, Renal, Endocrine related) & their management.	1	1	
14	III	Immunity and oral reactions to drug therapy	1	1	1
15		Disorders of teeth			
16		Disorders of bone			
17		Bacterial, Viral, & fungal infections of gingiva and oral mucosa	1	2	
18		Management of medical emergencies in dentistry	1	2	
<b>Total</b>			<b>30 (20 Marks)</b>		<b>04 (20 Marks)</b>

## Table of specifications for Annual Professional Exam: Practical

### Clinical Assessment

<b>Total</b>	= 50
<b>OSPE</b>	= 18
<b>VIVA</b>	= 18
<b>Log Book</b>	= 04
<b>Internal Assessment</b>	= 10

<b>INTERNAL ASSESSMENT STRUCTURE FOR BDS - THEORY</b>	
<b>INTERNAL ASSESSMENT WEIGHTING: 20%</b>	
<b>Exams</b>	<b>Weightings</b>
End of Block Exam – I	20%
End of Block Exam – II	20%
End of Block Exam – III	20%
Modular tests	10%
Pre-Annual Exam	30%
<b>Total</b>	<b>100%</b>
<b>INTERNAL ASSESSMENT STRUCTURE FOR BDS - PRACTICAL</b>	
<b>INTERNAL ASSESSMENT WEIGHTING: 20%</b>	
<b>Exams</b>	<b>Weightings</b>
End of Block Practical/ OSPE/ OSCE	20%
End of Block Practical/ OSPE/ OSCE	20%
End of Block Practical/ OSPE/ OSCE	20%
SGD/ CBL/ INTEGRATED SESSION	10%
Pre-Annual Exam	30%
<b>Total</b>	<b>100%</b>

<b>OSPE (20 Marks)</b>			
	<b>Stations</b>	<b>Marks</b>	<b>Time</b>
<b>Static Stations</b>	5	5×2=10	2 min each station
<b>Interactive Stations</b>	2	2×4=8	4 min each station

### Internal Assessment Calculation (Theory Annual)

A	B	C	D
<b>Roll No.</b>	<b>Name</b>	<b>All Modules/ Pre annual Exams or any other exam</b>	<b>Total Marks of internal Assessment out of 20</b>
<b>Total Marks</b>		<b>Sum of Marks obtained x 20 / sum of total marks in all exams</b>	

### Table of specifications for Annual Professional Exam: Practical Clinical Assessment

Total	= 50
OSPE	= 18
VIVA	= 18
Log Book	= 04
<i>Internal Assessment</i>	<i>= 10</i>

<b>OSPE (20 Marks)</b>			
	Stations	Marks	Time
<b>Static Stations</b>	5	5×2=10	2 min each station
<b>Interactive Stations</b>	2	2×4=8	4 min each station

### Internal Assessment Calculation (Practical)

A	B	C	D
<b>Roll No.</b>	<b>Name</b>	<b>OSPE/ Practical Class tests though out the year/ Pre annual Practical Exams or any other exam</b>	<b>Total Marks of internal assessment Out of 20</b>
<b>Total Marks</b>		<b>Sum of marks obtained x 20 / sum of total marks in all exams</b>	

