Frontier Dental College

Study Guide

(Adapted from Bahria University Guide)

3rd Year BDS

FDC STUDY GUIDE

The study guide serves as a useful handy resource, helping you to navigate your journey at FDC.

The study guide is more than an academic guide.

It not only highlights what, as a student, you should aim to achieve as you work through the curriculum, but also provides essential information about various administrative protocols that you as students of Frontier Dental College are expected to follow.

Vision Statement of FMDC

To become an internationally recognized medical institution that contributes towards development of community health through excellence in medical education.

Mission Statement of FDC

To develop high skilled and motivated dental professionals with the application of basic knowledge equipped with ethical values and ability to provide national and international evidence based dental practice.

FRONTIER DENTAL COLLEGE ABBOTTABAD

PROGRAM LEARNING OUTCOMES (PLO's)

Sr.No	DENTAL PROGRAM LEARNING OUTCOMES	EDUCATIONAL DOMAIN
	At the end of Dental Program the graduates will be able to:	
1.	**Recognize and Apply Basic Scientific Principles** Demonstrate understanding and application of fundamental scientific principles necessary for providing high-standard oral health care.	**Cognitive (Knowledge)**
2.	**Identify and Uphold Patient Rights:** Identify and uphold the rights of dental patients, ensuring respectful and ethical treatment.	**Cognitive (Knowledge)**
3.	**Adhere to Ethical Standards** Identify and adhere to ethical rules and patients' rights within the dental profession, promoting integrity and professionalism.	**Cognitive (Knowledge)**
4.	**Diagnose and Treat Common Oral/Dental Diseases:** Discuss and implement strategies for diagnosis and treating common oral and dental diseases prevalent in the community.	**Cognitive (Knowledge)**
5.	**Interpret Medical/Dental Histories and Make Referrals:** Interpret efficiently medical and dental histories/reports, making appropriate referrals when necessary.	**Cognitive (Knowledge)**
6.	**Practice Evidence-Based Dentistry:** Demonstrate the application of evidence-based practices in dental clinics to ensure high-quality oral health care.	**Psychomotor (Skill)**
7.	**Engage in Lifelong Learning:** Exhibit lifelong learning abilities, including critical thinking, creativity, and staying updated with new information and developments in dental care.	**Psychomotor (Skill)**
8.	**Perform Dentistry Skills with Professionalism:** Perform dental procedure efficiently while demonstrating good professional attitude and communication skills.	**Affective (Attitude)**
9.	**Participate in Dental Research:** Display a proactive interest in dental research activities to contribute to the advancement of the field.	**Affective (Attitude)**

SECTION 2: INTRODUCTION TO STUDY GUIDE

When a dental student enters dental college, a new era of academic life begins. This study guide has been designed to help students sail smoothly during their transitional phase. The very first week is spent in familiarizing the students with the environment of Frontier Dental College.

1- Objectives of Study Guide

The purpose of this study guide is to:

- Inform students what they are expected to learn during their study period.
- Guide students on how the student-learning program has been organized, and how it would be implemented.
- Help students organize and manage their studies throughout the year.
- Inform students about the code of conduct at Frontier Medical & Dental College
- Inform on organization and management of the team at FDC. This will help you contact the right individual in case you have any difficulty.
- Describe the course content which will be taught and what the students are expected to learn.
- Impart the information on learning methods that you will experience during the course. The methods include tutorials, lectures, practical skills, experiments, dissection, field visits and research. These learning methods should help you to achieve the course objectives.
- Guides you about the available learning resources for the terms. These include books, computer-assisted learning programs, videos, and other aids
- Makes you aware about the contribution of internal evaluation and term examinations, on student's overall performance.
- Passes the information on the methods of assessment.
- Inform regarding the examination policy, rules and regulations.

SECTION 3: PROGRAM STRUCTURE AND OVERVIEW

THE MODULAR SYSTEM

Organization of modular curriculum and teaching

a. Each Academic Year is divided into 3 Modules of 3 months' duration each

- **First Year - Modules - 1,2,3**

- **Second Year - Modules - 4,5,6**
- **Third Year - Modules - 7,8,9**
- **Final Year - Modules - 10,11,12**

b. Learning objectives for each module are written down in the study guide issued at the beginning of each academic year to each student. Curriculum for each module can be provided on request.

c. A schedule is issued for each module re-enforced by a weekly schedule issued 2 weeks in advance of the teaching dates.

d. This includes lecture, CBL, Practical's, Demonstrations, Ward Clinics, and Classes in Skills Lab, Self-Study, and Library period.

e. The assessment schedules i.e., end of modules tests as well as period of preparation leave and timing of OSCE/ OSPE is given in the above schedule.

f. The assessment result is displayed on departmental notice boards and recorded in the Examinations Department FDC.

LEARNING STRATEGIES

- **Interactive Lectures**

  The traditional lecture system is used to introduce a subject and discuss the broad concepts in that specific field of study. Interactive lectures to smaller groups remain an effective and essential way of teaching. More recent methods of learning and teaching, such as case-based learning and small group-based problem-solving sessions are also employed.

- **Small Group Based Learning**

  Small group and tutorial sessions are regularly held to enable students to discuss the details of a lecture topic. Students are expected to prepare presentations on applied topics and discuss their implications with their fellow students. The lecturer acts as a facilitator. By participating in these group discussions, students can interact and learn from one another such as PBL, CBL and TBL etc.

- **Hands on Training**

  Being in final year students will deal daily with patients in OPD, to gain, enhance and polish their clinical knowledge and skills. Lectures and tutorials will regularly be held for providing clinical orientation on the subjects.

- **Mini-CEX** (**Mini Clinical Evaluation Exercise**) and **DOPS (Direct Observational Procedural Skills):**

  These are work place based assessment tools (WPBAs) used in clinical settings by supervisors. In Mini-CEX, the trainee is evaluated regarding history taking, physical examination skills, communication skills, clinical judgment, professionalism, organization/efficiency, and overall clinical care. In DOPS, the **focus lies on procedural skills** followed by feedback.

- **Community-based Learning**

  FDC is committed to provide the environment and training that would enable professionals to successfully contribute to the improvement of the health sector, particularly in less privileged communities under the Community-Oriented Medical Education Program.

  The university involves its students in research-developing work in these designated communities. Students are encouraged to participate in the preventive and curative care and management of patients and their families in Primary Health Care field settings.

- **Problem Based Learning (PBL)**

  PBL promotes active learning and critical thinking in small collaborative groups. In PBL, problem introduces a real patient or as hypothetical case. Students identify the key elements of the case, develop and test hypothesis based on pathophysiological mechanisms, decide on diagnosis, and discuss principles of management. Content of PBL reflects horizontal integration of curriculum. The development of PBL cases is a challenging process, as each case must reflect a defined set of learning objectives, have face validity, suit the student's stage of maturity, and fit with restraints of time and resources. A typical PBL tutorial consists of usually 8 to 10 students and a tutor, who facilitates the session with minimum interference. The PBL tutorials comprised of three sessions of two hours and the time is scheduled in timetable approximately two weeks before.

  The PBL comprised of seven-jumps (Maastricht) such as clarifying terms, defining problem(s), brainstorming, structuring and hypothesis, learning objectives, independent study, and synthesis/presentation.

- **Case-Based Learning (CBL)**

  Case-based learning (CBL) is an adaptation of the PBL process and more generally used in clinical context to develop clinical reasoning and judgment. Written case studies, prepared by tutors and students are required to

work together to identify clinical problems, prepare differential diagnoses and suggest potential investigations and treatment. Students set their own learning objectives and identify the learning resources required to confirm or refute their diagnostic possibilities. The CBL format is flexible. CBLs are overseen by facilitators who guide the students in case they are not on the right track as unlike PBLs, the CBL session must be completed in one day.

- **Team Based Learning**

  Team Based Learning provides students with resource effective, authentic experience of working in teams to solve real life clinical problems.

COMPETENCIES AND LEARNING OUTCOMES OF DENTAL UNDER-GRADUATES

COMPETENCIES

1.Skillful
2.Knowledgeable
3.Community health promoter
4.Critical thinker
5.Professional
6.Researcher
7.Leader

i. Skillful:

Under Graduates must be competent to:

1.1 Apply appropriate interpersonal and communication skills.

1.2 Apply psycho-social and behavioral principles in patient-centered health care.

1.3 Communicate effectively with individuals from diverse populations.

1.4 Apply basic dental morphology and application of dental materials on patients.

ii. Knowledgeable

A. Assessment, Diagnosis, and Treatment Planning

Under Graduates must be competent to:

2.1 Manage the oral health care of infant, child, adolescent, and adult, as well as unique needs of women, geriatric, and special needs patients.

2.2 Identify, prevent, and manage trauma, oral diseases, and other disorders.

2.3 Obtain, and interpret patient / medical data, including a thorough intra/extra oral examination, and use these findings to accurately assess and manage patients.

2.4 Select, obtain, and interpret diagnostic images for the individual patient.

2.5 Recognize the manifestations of systemic disease and how the disease and its management may affect the delivery of dental care.

2.6 Formulate a comprehensive diagnosis, treatment, and/or referral plan.

B. Establishment and Maintenance of Oral Health

Under Graduates must be competent to:

2.7 Follow universal infection control guidelines for all clinical procedures.

2.8 Manage pain and anxiety in the dental patient.

2.9 Diagnose temporo-mandibular joint disorders.

2.10 Manage periodontal diseases.

2.11 Develop and implement strategies for the clinical assessment and management of caries

2.12 Manage restorative procedures that preserve tooth structure, replace missing or defective tooth structure, maintain function, are esthetic, and promote soft and hard tissue health.

2.13 Manage developmental or acquired occlusal abnormalities.

2.14 Manage the replacement of teeth for the partially or completely edentulous patient.

2.15 Manage pulpal and peri-radicular diseases.

2.16 Manage oral surgical treatment needs.

2.17 Manage medical and dental emergencies.

2.18 Manage patient abuse and/or neglect.

2.19 Manage substance abuse.

2.20 Evaluate outcomes of comprehensive dental care.

2.21 Manage oral mucosal and osseous diseases.

iii. Community Health Promoter

Under Graduates must be able to:

3.1 Demonstrate skill in providing prevention, intervention, and educational strategies.

3.2 Demonstrate competency in promoting health and managing various oro-facial diseases while working in a team.

3.3 Recognize and appreciate the need to contribute to the improvement of oral health beyond those served in traditional practice settings.

2. Critical Thinker

Under Graduates must be competent to:

4.1 Evaluate and integrate emerging trends in health care as appropriate.

4.2 Apply critical thinking and problem-solving skills while dealing with patients.

4.3 Evaluate and integrate best research outcomes with clinical expertise and patient values for evidence-based practice.

3. Professional

Under Graduates must be competent to:

5.1 Apply ethical and legal standards in the provision of dental care.

5.2 Practice within one's scope of competence and consult with or refer to professional colleagues when indicated.

4. **Researcher**

Under Graduates must be competent to:

6.1 Apply the current research for innovations in treatment, keeping at par with international standards

6.2 Conduct independent research based on the community requirements

5. **Leader**

Under Graduates must be able to:

7.1 Manage self, taking responsibility and utilizing the time to the best of his/her ability.

7.2 Demonstrate leadership skills effectively while working in a group or in a team.

7.3 Recognize and comply with the working system of any Institute.

INTRODUCTION TO DEPARTMENTS

Department of Oral Pathology

Department of Periodontology

Department of Oral Medicine

Department of PROSTHO Dentistry

Department of Prosthodontics

Department of Oral Maxillofacial Surgery

Department of General Medicine

Department of General Surgery

MODULE VII

At the end of the module, students should be able to:

S.no		Teaching Strategies	Assessment Tool
	ORAL PATHOLOGY		
1.	Describe the developmental disturbances in number and shape of teeth.	IL	BCQs/SAQs
2.	List the syndromes associated with hypodontia.	SGD	BCQs
3.	Discuss briefly about hypohidrotic ectodermal dysplasia.	SGD	OSPE
4.	Define hyperdontia; discuss its various types and its implication on oral health.	IL	BCQs
5.	Compare the taurodont tooth with a normal tooth on a radiograph	PW	OSPE
6.	Describe the causes and classification of environmental enamel hypoplasia.	IL	BCQs
7.	Demonstrate the different steps involved in the preparation of slide.	PW	OSPE
8.	Identify anatomical features on a panoramic radiograph.	PW	OSCE
9.	Describe the developmental disturbances in structure of teeth.	IL/SGD	SAQs
10.	Identify the different types of intraoral x-rays and study OPG x-rays.	PW	OSPE
11.	Describe the causes and clinical features of pulpitis.	IL	BCQs/SAQs
12.	Discuss the histopathological features of pulpitis.	IL	BCQs/SAQs
13.	Describe the clinical and histological features of pulp polyp	IL	BCQs/SAQs/ OSPE
14.	Discuss briefly about pulp calcification and pulp necrosis.	IL	BCQs
15.	Interpret the carious lesions on a periapical x-ray.	PW	OSPE
16.	Identify the normal anatomical landmarks on orthopentamogram x-ray.	PW	OSPE
17.	Describe the acute and chronic periapical periodontitis.	IL	BCQs/SAQs
18.	Describe the Sequelae of pulpitis.	SGD	SAQs
19.	Define Dental caries.	IL	SAQs
20.	Describe the various theories of cariogenesis.	IL	BCQs/SAQs
21.	Explain the widely accepted theories of dental caries.	IL	SAQs

22.	Describe the role of microorganism in the etiology of dental caries	SGD	BCQs/SAQs
23.	Describe the clinical aspects of dental caries.	IL	SAQs/OSPE
24.	Discuss the contributing factors in dental caries.	SGD	BCQs/SAQs
25.	Explain the histopathology of enamel and dentin caries.	IL	SAQs/OSPE
26.	Describe the methods of caries prevention.	IL	SAQs
27.	Define the following terms: Incipient caries, rampant caries, nursing bottle caries, arrested caries.	IL/SGD	BCQs/SAQs
28.	Discuss the route of spread of periapical infections.	IL	SAQs
29.	Describe the etiology and clinical features of cellulitis.	IL	BCQs/SAQs
30.	Describe the clinical features and complications of Ludwig's angina.	IL	BCQs
31.	a. Perform Blood sugar test. b. Make a blood smear to examine the blood cells	PW	OSPE
32.	Explain the techniques of using Field's stain	PW	OSPE
33.	**PROFESSIONALISM AND ETHICS**		
	Demonstrate the professional attributes of a learner, colleague and physician in training.	SGD	OSCE
	Discuss the role of doctor in community and duties of a doctor.	IL	BCQ/SAQ
	Demonstrate competency in behaving in ethical manner with patients, coworkers and the public.	SGD	OSCE
	PATIENT'S SAFETY		
	Explain to the patients the importance of using lead apron & thyroid collar for X-ray taking	SGD	OSCE
	Recognize high risk situations and describe approaches and processes associated with risk management	SGD	OSCE
	Reflect on how patient safety practices can help to minimize the incidence and impact of medical errors, adverse events, and maximize recovery from them	SGD	OSCE
	Discuss safety precautions to avoid accidents in the laboratory.	SGD	OSCE
	COMMUNICATION SKILLS		
	Inquire about symptoms and history of the presenting complaint	SGD	OSCE/Role play
	Inquire about relevant information from the patients for the diagnosis of periapical lesion	SGD	OSCE

	PERIODONTOLOGY		
34.	Describe the anatomy of healthy periodontium/Aging of gingiva, bone cementum, PDL	IL/SGD	SAQs/OSCE/ CP
35.	Describe the clinical features of healthy gingiva.	IL/SGD	SAQs/OSCE/ CP
36.	List and describe different types of gingiva.	IL/CR	BCQs/CP
37.	Describe the correlation of clinical & Microscopic features of gingiva.	IL/CR	BCQs/CP
38.	Explain the blood, lymphatic & nerve supply of Periodontium.	IL/CR	BCQs/CP
39.	Describe various types of fibers and cellular element of periodontal ligaments and their functions.	IL/CR	SAQs/CP
40.	Describe the anatomy and physiology of alveolar process.	IL	SAQs/CP
41.	Describe fenestration and dehiscence.	IL/CR	BCQs/CP
42.	Explain the plaque index, gingival index and Community periodontal index for treatment need (CPITN).	IL/CR	BCQs/CP
43.	Describe the role of epidemiology in providing etiology & its relationship in making diagnosis.	IL/CR	SAQs/CP
44.	Define dental Plaque.	IL	BCQs/CP
45.	Discuss the types of dental plaque.	IL/SGD/CR	BCQs/SAQs/ OSCE/CP
46.	Describe the stages involved in formation of dental plaque.	IL	BCQs/SAQs/ CP
47.	Explain the structure & composition of Plaque.	IL/CR	SAQs/CP
48.	Discuss the physiological properties of Dental Plaque.	IL/CR	BCQs/CP
49.	Define dental calculus.	IL	BCQs/CP
50.	Describe the formation of dental calculus.	IL/SGD	BCQs/OSCE/ CP
51.	Discuss the types of calculus.	IL	BCQs/SAQs/ CP
52.	Describe the composition of dental calculus.	IL	BCQs/SAQs/ CP
53.	Discuss the role of microorganisms in mineralization of calculus.	IL/CR	BCQs/SAQs/ CP

54.	Discuss the role of dental calculus & other predisposing factors in the etiology of dental Diseases.	IL	SAQs/CP
55.	Discuss supra gingival & sub gingival calculus and their effects on periodontal tissues.	IL	SAQs/CP
56.	Enlists and describe the intraoral surfaces for bacterial adhesion.	IL	SAQs/CP
57.	Describe the principles of bacterial transmission, translocation and cross-infection associated with Periodontal Diseases.	IL/SGD/CR	BCQs/CP
58.	Discuss the association of plaque microorganisms with periodontal diseases.	IL	BCQs/CP
59.	Discuss the microbial specificity of periodontal diseases.	IL	BCQs/CP
60.	Describe the criteria for Identification of Periodontal pathogens (Koch's postulates).	IL/CR	BCQs/CP
61.	Identify the key characteristics of specific periopathogens.	IL	BCQs/SAQs/ CP
62.	Describe the microbial shift during periodontal disease.	IL	BCQs/SAQs/ CP
63.	Describe the histological features of initial, early, established and advanced lesions of gingivitis.	IL	SAQs/CP
64.	Discuss the clinical features of Gingivitis.	IL	MCQs, SEQs, OSCE
65.	Differentiate between Acute gingivitis and Chronic gingivitis	IL	MCQs, SEQs, OSCE
66.	Discuss the correlation of clinical and histopathological features of periodontal pocket.	IL/SGD	SAQs/CP
67.	Discuss the role of saliva in host defense.	IL/CR	SAQs/CP
68.	Discuss the role of sulcular fluid in healthy and diseased periodontal tissues.	IL/SGD/CR	BCQs/SAQs
69.	Describe the Inflammatory cell response in periodontal diseases.	IL/CR	BCQs
70.	Discuss the correlation of gingival manifestations in immune mediated disorders	IL/CR	BCQs
71.	**PROFESSIONALISM AND ETHICS**		
	Demonstrate skills in introducing himself/ herself to the patient before history taking	CR	Role play
	Communicate to the patient confidently & respectfully during history taking and patient examination	CR	OSCE/ Role play
	Communicate the problem list to the patients	CR	OSCE/ Role play

	Take informed consent from the patient before commencing treatment.	CR	Role play
	Counsel the patients regarding the preventive treatments Scaling and root planning	CR	OSCE/ Role play
	Discuss the risk factors for Gingivitis and Periodontitis	CR	OSCE/ SAQs
	Use NICE guidelines for patient recall interval	CR	SAQs
	Give post-treatment instruction to the patient	CR	OSCE
	Demonstrate the professional attributes of a learner, colleague and physician in training.	CR	Role play
	Describe the basic principles of ethics with reference to social, cultural and religious perspectives.	SGD	BCQs
	Describe the role of doctor in community and duties of a doctor.	SGD	BCQs/SAQ
	Demonstrate competency in behaving in ethical manner with patients, coworkers and the public.	CR	OSCE
	PATIENT'S SAFETY		
	Explain to the patient the use of isolation methods for their safety	CR	OSCE
	Prescribe medication correctly as per patient needs	CR	OSCE
	Explain to the patient the use of saliva ejector for isolation	CR	OSCE
	Develop competency in maintaining appropriate patient record for future reference	CR	OSCE
	Explain to the patients the importance of using lead apron & thyroid collar for X-ray taking	CR	OSCE
	Recognize high risk situations and describe approaches and processes associated with risk management	CR	OSCE
	Describe the proper handling of patient care equipment and describe approaches and processes associated with risk management	CR	OSCE
	Demonstrate competency in a stablishing a therapeutic and professional relationship with patients and their families.	SGD	OSCE
	Recognize the magnitude and the importance of patient safety	SGD	OSCE
	Reflect on how patient safety practices can help to minimize the incidence and impact of medical errors, adverse events, and maximize recovery from them	SGD	OSCE
	Discuss safety precautions to avoid accidents in the laboratory.	SGD	OSCE
	COMMUNICATION SKILLS		
	Inquire about symptoms and history of the presenting complaint	CR	OSCE/Role play

	Inquire about relevant information from the patients for the diagnosis of Gingival diseases and Periodontal diseases	CR	OSCE
	Communicate with superiors and juniors respectfully	CR	----------
	Demonstrate empathy and respect towards patient during history taking and treatment	CR	Role play
	Communicate clearly and confidently to the patient	CR	Role play
	Demonstrate positive gestures to the patient	CR	Role play
	Demonstrate competency in preparing and delivering high impact presentations.	CR	Competition
	Demonstrate sensitivity, honesty and compassion in difficult conversations, including those about death, end of life, adverse events, bad news, disclosure of errors and other sensitive topics.	CR	OSCE
	Demonstrate competency in communicating effectively with patients.	CR	OSCE
	Demonstrate competency in breaking the bad news to patient.	CR	OSCE
	ORAL MEDICINE		
72.	Take relevant history	IL/ CR	OSPE
73.	Perform Extra-oral and Intra-oral examination.	IL/ CR	OSPE
74.	Interpret basic investigations required for making diagnosis (Hematology, Radiology, Histopathology and biochemistry).	IL	BCQs/ SAQs/ OSCE
75.	List the indication of special investigations in relation to various diseases/conditions	IL/ CBL	BCQs/ Viva
76.	List the differential diagnosis for common diseases manifested in oral & maxillofacial region.	IL/CBL	SAQs/ Viva
77.	Formulate treatment plan and give various treatment options to patient.	IL/ CBL	CP
78.	Identify the role of immunity for maintenance of adequate oral health.	IL	SAQs
79.	Explain sterilization and disinfection	IL/ SGD	BCQs/ OSCE
80.	Discuss the rational for sterilization and disinfection.	IL/ SGD	BCQs/SAQs
81.	Discuss and select appropriate methods of sterilization and disinfection	IL/ SGD	BCQs/SAQs
82.	Understand radiation physics including X-rays production, different components of X-ray machines, and the various properties of X-ray	IL/ SGD	SAQs/ OSCE/ Viva
83.	Recognize and describe different carious lesions, periapical pathology and radiographic methods of their evaluation	IL/ SGD	BCQs/SAQs

84.	Compare paralleling and bisecting angle technique	IL/ SGD	
85.	Understand advantages disadvantages of OPG	IL/ SGD	
86.	Describe clinical features, diagnostic and manifestations of ludwigs angina, cellulitis, osteomyelitis.	IL/ SGD	BCQs/SAQs
87.	List the causative agent and classification for syphilitic infections.	IL/ SGD	BCQs/SAQs
88.	Describe the etiology, clinical presentation of primary, secondary and tertiary syphilis.	IL/ SGD	SAQs/OSCE/ Viva
89.	Interpret the investigations involved in diagnosis of syphilitic infections.	IL/ CBL	SAQs/OSCE/ Viva
90.	Describe the management of syphilitic infection	IL/CBL	SAQs/ Viva
91.	Identify and describe the clinical features of oral tuberculous ulceration.	IL/ SGD	SAQs/ Viva
92.	Enumerate various special investigations involved in making diagnosis of tuberculous ulcer.	IL/ SGD	OSCE/ Viva
93.	Describe the management of patient with oral tuberculous ulcer	IL/CBL/ SGD	SAQs/ OSCE/ Viva
94.	Describe the causes, Clinical features, diagnostic aids and management of various viral infections of Oro-facial region.	IL/CBL/ SGD	SAQs/ Viva
95.	Describe the clinical features, diagnosis and management of herpes simplex infection	IL/CBL/ SGD	SAQs / OSCE/ Viva
96.	Describe the clinical features, diagnosis and management of herpes zoster infection.	IL/CBL/ SGD	SAQs / Viva
97.	Describe the classification of oral candidal infection.	IL	SAQs / OSCE/ Viva
98.	Identify the predisposing factors of oral candidiasis.	IL	SAQs / OSCE/ Viva
99.	Describe the clinical features and management of acute hyperplastic candidiasis.	IL/ SGD	BCQs/SAQs
0.	Discuss etiological factors, clinical features and management of angular stomatitis.	IL/ SGD	BCQs/SAQs
1.	**PROFESSIONALISM AND ETHICS**		
	Demonstrate skills in introducing himself/ herself to the patient before history taking	SGD	OSCE/VIVA
	Take informed consent from the patient before commencing treatment.	SGD	OSCE/VIVA

	Demonstrate the professional attributes of a learner, colleague and physician in training.	SGD	OSCE/VIVA
	Describe the basic principles of ethics with reference to social, cultural and religious perspectives.	SGD	OSCE/VIVA
	COMMUNICATION SKILLS		
	Demonstrate positive gestures to the patient.	SGD	OSCE/VIVA
	Demonstrate competency in preparing and delivering high impact presentations	SGD	OSCE/VIVA
	Communicate with superiors and juniors respectfully	SGD	OSCE/VIVA
	Inquire about symptoms and history of the presenting complaint	SGD	OSCE/VIVA
2.	Revise the dental caries	IL	Viva
3.	Enlist the Etiology of dental caries	IL	BCQs/SAQs
4.	Review the pathogenesis of dental caries	IL	BCQs/SAQs
5.	Suggest the steps for prevention of dental caries	IL	BCQs/SAQs
6.	Identify restorative instruments	CR/SGD	OSCE
7.	Describe use of every restorative instrument	CR/SGD	OSCE
8.	Apply different grips to hold hand instruments	CR/SGD	OSCE
9.	Demonstrate the positioning of patient and dentist in operatory field	CR/SGD	OSCE
0.	Perform Clinical Examination & Diagnosis of Dental Caries	CR/SGD	BCQs/ OSCE
1.	Know the importance of Radiographs	CR/SGD	OSCE
2.	Perform basic intraoral radiography	CR/SGD	OSCE
3.	Demonstrate ability to identify dental pathology on radiographs	CR/SGD	OSCE
4.	Recognize the differences between primary and permanent teeth clinically and radio-graphically	SGD	OSCE
5.	Apply the methods of sterilization and cross infection control in Operative dentistry	IL/CR/SGD	BCQs/SAQs
6.	Perform Class 1 cavity preparation on patient tooth	CR/SGD	OSCE
7.	Demonstrate placement of lining on patient tooth	CR/SGD	OSCE
8.	Perform filling & finishing of Amalgam in Class I and Class I compound cavities	CR/SGD	OSCE
9.	Review dental amalgam as a restorative material	SGD	BCQs
0.	Enlist parts of rubber dam system	SGD	BCQs
1.	Understand advantages of rubber dam application	CR/SGD	OSCE

2.	Practice application of rubber dam on phantom head	Skill LAB	OSCE
3.	Execute placement of fissure sealant	CR	OSCE
4.	Conduct clinical Examination and Diagnosis of Erosion, Attrition, Abrasion	IL/CR	BCQs/SAQs
5.	Execute Class V cavity preparation and its restoration on patient tooth	CR	OSCE
6.	Perform clinical Examination and Diagnosis of cracked tooth	IL/CR	BCQs/SAQs/ OSCE
7.	Prepare Class II slot cavity on patient tooth	CR/SGD	OSCE
8.	Enlist parts of matrix band retainer	Skill LAB	OSCE
9.	Practice application of matrix band retainer with band & wedge in phantom lab	Skill Lab	OSCE
0.	Perform Class III cavity and its restoration on patient tooth	CR	OSCE
1.	Describe tooth colored restorative materials	IL/SGD	BCQs
2.	Recognize the causes of Restorative failure and postoperative problems	IL/SGD	BCQs/SAQs
3.	Introduce the use of lasers in dentistry	IL	BCQs
4.	Employ aesthetic considerations in diagnosis and treatment planning	IL	BCQs/SAQs
5.	Identify Endodontic instruments	CR	OSCE
6.	Introduce the basic principles of root canal therapy (technical aspects)	IL	BCQs/SAQs
7.	Observe steps involved in root canal treatment	CR/SGD	OSCE
8.	**PROFESSIONALISM AND ETHICS**		
	Introduce himself/ herself to the patient before history taking	CR	Role play
	Communicate to the patient confidently & respectfully during history taking and patient examination (Dental caries, NCCL, trauma)	CR	OSCE/ Role play
	Informs patient about the problem list	CR	OSCE/ Role play
	take consent from the patient before start of treatment	CR	OSCE
	Explain various types of filling to the patient	CR	OSCE/ Role play
	Explain preventive treatments for dental caries to the patient	CR	SAQs
	Discuss the risk factors for root caries to patient	CR	OSCE/ SAQs
	Use NICE guidelines for patient recall interval	CR	SAQs
	Give post-filling instruction to the patient	CR	Role play

	Ask correct questions about longitudinal tooth fractures in history taking	CR	Role play
	PATIENT'S SAFETY		
	Show to the patient about use of lead apron & thyroid collar for X-ray taking	CR	OSCE
	Explain to the patient, about the use of isolation methods for safety	CR	OSCE
	Explain patient to the use of rubber dam and saliva ejector for isolation	CR	OSCE
	COMMUNICATION SKILLS		
	Speak the correct questions about history and symptoms of the presenting complaint	CR	OSCE/Role play
	Inquire relevant questions from the patients for the diagnosis of pulpal and periapical lesion	CR	OSCE
	Able to communicate with superiors and juniors respectfully	CR	----------
	Display empathy and respect to the patient during history taking	CR	Role play
	Speak clearly and confidently to the patient	CR	Role play
	Show positive gestures to the patient	CR	Role play
	Presentation skill	CR	Competition
	<u>GENERAL MEDICINE</u>		
9.	Discuss the approach to a patient with chest pain & describe the investigations, management and complications of ischemic heart disease including acute coronary syndrome and myocardial infarction.	IL	BCQs/SAQs/ OSCE
0.	Discuss the pathophysiology, clinical manifestations and management of different types of heart failure.	IL	BCQs/SAQs/ OSCE
1.	Diagnose and interpret a normal and abnormal ECG, arrhythmias & MI	IL/SGD	BCQs/SAQs/ OSCE
2.	Discuss the approach to a patient with primary and secondary hypertension with its investigations & management.	IL	BCQs/SAQs/ OSCE
3.	Discuss and describe the Valvular Heart Diseases & its management.	IL	BCQs/SAQs/ OSCE
4.	Describe the usual presentations of rheumatic fever and infective endocarditis	IL/ SGD	BCQs/SAQs/ OSCE
5.	Describe in detail the pathogenesis, clinical features, evaluation and treatment plan for asthma.	IL	BCQs/SAQs/ OSCE
6.	Discuss in detail the pathogenesis, clinical features, evaluation and treatment plan for COPD.	IL	BCQs/SAQs/ OSCE

7.	Define TYPE 1 And TYPE 2 respiratory failure and understand the causes.	IL	BCQs/SAQs/ OSCE
8.	Assess the benefits and hazards of long term oxygen therapy.	IL	BCQs/SAQs/ OSCE
9.	Differentiate between community acquired and hospital acquired pneumonia, assessment of severity and its management.	IL	BCQs/SAQs/ OSCE
0.	Discuss the clinical manifestations, evaluation and investigation of pulmonary thromboembolism.	IL	BCQs/SAQs/ OSCE
1.	Discuss the pathogenesis, etiology, clinical picture and management of Pleural effusion and pneumothorax	IL	BCQs/SAQs/ OSCE
2.	Describe in detail the etiology, pathogenesis, clinical features, diagnostic tests, and treatment of Tuberculosis.	IL/SGD	BCQs/SAQs/ OSCE
3.	Differentiate inflammatory arthritis from osteoarthritis and management.	IL/ SGD	BCQ/SAQ/OSCE
4.	Diagnose the clinical features and extra articular manifestations of rheumatoid arthritis.	IL/ SGD	BCQ/SAQ/OSCE
5.	Describe the presentations of seronegative arthritis and ankylosing spondylitis, reactive and psoriatic arthritis.	IL	BCQ/SAQ/OSCE
6.	Discuss the clinical features, diagnostic criteria of Systemic Lupus Erythematosus and its management.	IL	BCQ/SAQ/OSCE
7.	Describe the rationale for prescribing disease modifying drugs and approach to modern therapy in rheumatoid arthritis.	IL	BCQ/SAQ/OSCE
8.	Discuss the diagnosis of systemic sclerosis and CREST their similarities and differences.	IL	BCQ/SAQ/OSCE
9.	Discuss the clinical features and management of Sjogren's syndrome.	IL/ SGD	BCQ/SAQ/OSCE
0.	Identify the risk factors for osteoporosis and how to prevent and manage it.	IL	BCQ/SAQ/OSCE
1.	Discuss the clinical manifestation and management of patients with crystal arthropathy.	IL	BCQs/SAQs/ OSCE
2.	Discuss the evaluation and management of dyslipidemia.	IL	BCQs/SAQs/ OSCE
3.	Discuss the evaluation and treatment of folic acid, Vitamin A, B1, B2 and B12 deficiency	IL	BCQs/SAQs/ OSCE
4.	**PROFESSIONALISM AND ETHICS**		
	Demonstrate skills in introducing himself/ herself to the patient before history taking	CR	OSCE/ Role play

	Communicate the problem list to the patients	CR	OSCE/ Role play
	PATIENT'S SAFETY		
	Prescribe medication correctly as per patient needs	CR	OSCE
	Recognize high risk situations and describe approaches and processes associated with risk management	CR	OSCE
	COMMUNICATION SKILLS		
	Inquire about symptoms and history of the presenting complaint	CR	OSCE/Role Play
	Demonstrate sensitivity, honesty and compassion in difficult conversations, including those about death, end of life, adverse events, bad news, disclosure of errors and other sensitive topics.	CR	OSCE
	GENERAL SURGERY		
5.	Demonstrate the responses to homeostasis & metabolic changes in response to Trauma and stress	IL	BCQs/SAQs
6.	Describe Pathophysiology of shock ,types & management	IL	BCQs/SAQs/ OSCE
7.	Describe the management of hemorrhage, blood transfusion indication reaction and management.	IL/SGD	BCQs/SAQs/ OSCE
8.	Explain Sterilization, asepsis techniques of sterilization & Sterilization of OT, prevention of infection in OT and the preventive measures for doctors.	IL/CR	BCQs/SAQs
9.	Discuss wounds types & management	IL/CR	BCQs/SAQs
0.	Diagnose surgical infections and their management. Role of antibiotics.	IL/CR	BCQs/SAQs/ OSCE
1.	Describe the management of Chronic infection, Leprosy & TB	IL	BCQs/SAQs
2.	Identify Abscess, Sinus fistula, subcutaneous swellings, ulcer types, cellulitis etc.	IL/SGD/CR	BCQs/SAQs/ OSCE
3.	Describe the problems of fluid electrolyte disturbances and the correction	IL/CR	BCQs/SAQs
4.	Discuss the Acid Base disturbances	IL/CR/PW	BCQs/SAQs/ OSCE

5.	Describe the Types of nutrition, values of various fluids, complications	IL/CR	BCQs/SAQs/ OSCE
6.	Discuss the principles of management of pre-op, post op cases	IL/CR/PW	BCQs/SAQs/ OSCE
7.	Describe various types of anesthesia and complications and pre-operative care of patient & pain management.	IL/CR/PW	BCQs/SAQs
8.	Describe skin & subcutaneous lesions.	IL/CR/PW/SGD	BCQs/SAQs/ OSCE
9.	Describes the diseases involving the salivary glands	IL/CR/PW/	BCQs/SAQs/ OSCE
0.	Describe the common benign Breast diseases and describe the malignant lesions their diagnosis, risk factors and principles of management of Skin grafts.	IL/CR	BCQs/SAQs
1.	**PROFESSIONALISM AND ETHICS**		
	Describe basic principles of ethics with reference to social, cultural and religious perspective.	SGD	BCQs
	Discuss the role of doctor in community & Duties of a doctor.	SGD	BCQs
	PATIENT'S SAFETY		
	Demonstrate competency in using patient-centered interviewing skills in gathering biomedical and psychological information.	Role play	OSCE
	Demonstrate competency in seeking and developing relevant information from other sources, including the patient's family, with patient's consent.	Role play	OSCE
	COMMUNICATION SKILLS		
	Demonstrate competency in communicating effectively with patients.	Role Play	OSCE
	Use effective and efficient communication and management strategies	Role Play	OSCE
	Communicate in a manner that is respectful of and sensitive to the patient's and family's age, orientation, culture and beliefs	CR	OSCE
	ORAL SURGERY		
2.	Inquire about symptoms and history of the presenting complaint	IL	BCQs

3.	Perform thorough History and Examination.	IL/ CR	OSCE
4.	Diagnose pattern & ways of making tentative diagnosis.	IL/ CR	OSCE
5.	Discuss different treatment modalities for various common conditions seen in oral surgery.	IL/CR	OSCE
6.	List different methods of Sterilization and their relevance to OMFS.	IL	BCQs
7.	Identify various Instruments used in Oral Surgery	CR	OSCE
8.	Discuss the Principles of Oral Surgery	IL	BCQs
9.	Discuss types of incisions & flaps	IL	CQ
0.	Identify methods of tissue handling	IL	CQ
1.	Define Hemostasis	IL	CQ
2.	Identify types of hemorrhage along with its management.	IL	CQ
3.	Implement Pre & Post-Operative Care	CR	OSCE
4.	Discuss the hazards of cross-infection and its prevention	IL	BCQs/SAQs
5.	Discuss the rational for sterilization and disinfection.	IL/ SGD	BCQs/SAQs
6.	Discuss and select appropriate methods of sterilization and disinfection	IL/ SGD	BCQs/SAQs
7.	Discuss the procedure for Simple & Complex Exodontia.	IL/CR	SAQs
8.	Describe the complications of extraction along with its management.	IL	SAQs/ OSCE
9.	List post-op instructions	IL/ CR	OSCE
0.	Discuss the significance of consent taking before initiating dental procedure	CR	OSCE
1.	List ways to manage post-operative bleeding	IL	SAQs/OSCE
2.	**PROFESSIONALISM AND ETHICS**		
	Apply ethical decision-making in all interactions with patients and their families, colleagues and other health care professionals.	CR	OSCE
	Demonstrate Competencies in avoiding potential ethical conflicts with pharmaceutical and other health industry providers.	CR	OSCE
	Differentiate between justice and equality.	CR	SAQ
	Demonstrate skills in introducing himself/ herself to the patient before history taking	CR	Role play
	Communicate to the patient confidently & respectfully during history taking and patient examination	CR	OSCE/ Role play

	Communicate the problem list to the patients	CR	OSCE/ Role play
	Take informed consent from the patient before commencing treatment.	CR	Role play
	Counsel the patients regarding the preventive treatments Scaling and root planning	CR	OSCE/ Role play
	Describe infection control, including aseptic technique, hand hygiene, screening and surveillance.	CR	OSCE
	Describe injury prevention, safe patient transport, handling and transfers, and removal of hazards.	CR	OSCE
	Identify and respond to safety concerns raised by others.	CR	OSCE
	Apply infection control procedures and processing of intra oral radiographs.	CR	OSCE
	COMMUNICATION SKILLS		
	Demonstrate effective learning, verbal and written communication skills.	CR	OSCE
	Use effective and efficient communication and management strategies.	CR	OSCE
	Use written record, electronic medical record or other digital technologies while communicating with supervisor and patient.	SGD	OSCE
	Demonstrate competency in establishing a therapeutic and professional relationship with patients and their families.	CR	OSCE
	Explain to the patient, about the use of isolation methods for safety	CR	OSCE
	Explain patient to the use of rubber dam and saliva ejector for isolation	CR	OSCE
	Speak the correct questions about history and symptoms of the presenting complaint	CR	OSCE/Role play
	Inquire relevant questions from the patients for the diagnosis of pulpal and periapical lesion	CR	OSCE
	Able to communicate with superiors and juniors respectfully	CR	----------
	Display empathy and respect to the patient during history taking	CR	Role play
	Speak clearly and confidently to the patient	CR	Role play
	Show positive gestures to the patient	CR	Role play
	Presentation skill	CR	Competition
Behavioral Sciences			

	Stress Management		
	Define and differentiate between anxiety and stress in the context of dental care.	Lecture & SGD	MCQs + SAQs
	Recognize the impact of patient anxiety and stress on oral health and treatment outcomes.	Lecture & SGD	MCQs + SAQs
	Explore psychological theories related to stress and anxiety.	Lecture & SGD	MCQs + SAQs
	Understand how these theories can be applied to the dental setting to better manage patient experiences.	Lecture & SGD	MCQs + SAQs
	Recognize the psychological components of pain and their relevance in dental practice.	Lecture & SGD	MCQs + SAQs
	History Taking & interviewing.	Lecture & SGD	MCQs + SAQs
	Recognize the importance of collecting psychosocial data in the dental context.	Lecture & SGD	MCQs + SAQs
	Identify psychosocial factors relevant to oral health and dental treatment outcomes.	Lecture & SGD	MCQs + SAQs
	Define the concept of an interview in the context of healthcare and dentistry.	Lecture & SGD	MCQs + SAQs
	Differentiate between various types of interviews, including structured, semi-structured, and unstructured interviews.	Lecture & SGD	MCQs + SAQs
	Develop effective communication skills for conducting interviews in a dental setting.	Clinical Practice & SGD	OSCE
	Demonstrate active listening skills to enhance the quality of information gathered during patient interviews.	Clinical Practice & SGD	OSCE
	Dentist-patient relationship		
	Define and understand the dynamics of the dentist-patient relationship.	Lecture & SGD	MCQs + SAQs
	Recognize the significance of a positive and effective dentist-patient relationship in oral healthcare.	Lecture & SGD	MCQs + SAQs
	Explore the concept of professional boundaries in the dentist-patient relationship.	Lecture & SGD	MCQs + SAQs
	Recognize the psychological reactions that may occur in both dentists and patients during interactions and treatment.	Lecture & SGD	MCQs + SAQs
	Develop skills to establish rapport and build a trusting relationship with patients.	Clinical Practice & SGD	OSCE

	Understand the importance of effective communication in fostering a positive dentist-patient connection.	Lecture & SGD	MCQs + SAQs
	Ethics		
	Understand the rights of patients and doctors as outlined by professional Medical codes (e.g., PMDC) and ethical principles.	Lecture & SGD	MCQs + SAQs
	Define informed consent and its significance in dental practice.	Lecture & SGD	MCQs + SAQs
	Recognize the ethical and legal aspects of obtaining informed consent from patients.	Lecture & SGD	MCQs + SAQs
	Identify the essential components that must be included in the process of obtaining informed consent.	Lecture & SGD	MCQs + SAQs
	Understand the importance of providing comprehensive information to patients about proposed treatments.	Lecture & SGD	MCQs + SAQs
	Leadership and Management		
	Understand the principles of financial management specific to dental practices.	Lecture & SGD	MCQs + SAQs
	Explore dental economics and its impact on the financial viability of a dental practice.	Lecture & SGD	MCQs + SAQs

Commencement of 7th Module		Weekly Schedule of Module VII PERIODONTOLOGY
Activity	**Week**	**Lecture 1**
Academic Session – BDS Third Professional	Week- 1	Knowledge Of Healthy Periodontium/Aging of Periodontium **LO (34-41)**
	Week- 2	Epidemiology/Etiology of Periodontal diseases **LO (42-43)**
	Week- 3	Dental Plaque **LO (44-48)**
	Week- 4	Dental Calculus **LO (49-55)**
	Week- 5	Microbiology Of Plaque Associated Periodontal Disease **LO (56-62)**
	Week- 6	Histopathogenesis Of Plaque Associated Periodontal Disease **LO (63-66)**
	Week- 7	Host Response In Periodontal Disease **LO (67-70)**
	Week- 8	Revision Of Module 7 topics
	Week- 9	Presentations
	Week- 10	Class Test
	Week-11	Revision
	Week-12	Revision
	Week-13 and 14	**THEORY AND VIVA EXAMINATION**

Commencement of 7th Module		Weekly Schedule of Module VII ORAL PATHOLOGY	
Activity	**Week**	**Lecture 1**	**Lecture 2**
Academic Session – BDS Third Professional	Week- 1	Anomalies of number of teeth **LO (1-5)**	Anomalies of Size and Shape of teeth I **LO (1)**
	Week- 2	Anomalies of Size and Shape of teeth II **LO (1)**	Anomalies of Structure of teeth **LO (6-9)**
	Week- 3	Amelogenesis imperfect **LO (10)**	Dentinogenesis Imperfecta Hypercementosis **LO (10)**
	Week- 4	Definition and Etiology of dental Caries	Pathology of dental caries

		LO (19-22, 24)	**LO (23, 27)**
	Week- 5	Histopathology of enamel caries **LO (25)**	Histopathology of dentin caries **LO (25)**
	Week- 6	Prevention of dental caries **LO (26)**	Pulpitis (Clinical features, Aetiology and Histopathology) **LO (11-12, 18)**
	Week- 7	Pulp polyp, Pulp calcification & Necrosis **LO (13 - 14)**	Periapical Periodontitis (Acute and chronic) **LO (17)**
	Week- 8	Spread of oral infections 1 **LO (29-30)**	Spread of oral infections II **LO (29-30)**
	Week- 9	Revision	**CAT -2**
	Week- 10	**Guest Lecture**	Case-Based Presentation of Students
	Week-11	Revision	Revision
	Week-12	Revision	Revision
	Week-13 and 14	**THEORY AND VIVA EXAMINATION**	

Commencement of 7th Module		**Weekly Schedule of Module VII ORAL MEDICINE**
Activity	**Week**	**Lecture 1**
Academic Session – BDS Third Professional	Week- 1	History and examination **LO (70-72)**
	Week- 2	Investigations and X-Rays **LO (73-75)**
	Week- 3	Immunity **LO (76)**
	Week- 4	**Sterilization and disinfection** **LO(77-79)**
	Week- 5	**X_ray** **LO(80-81)**
	Week- 6	**Xray** **LO(82-83)**
	Week- 7	Bacterial infection **LO (84-91)**
	Week- 8	Fungal infection **LO (95- 98)**

	Week- 9	Viral infection **LO (91-94)**
	Week- 10	Revision
	Week-11	**CAT**
	Week-12	Revision
	Week-13 and 14	**THEORY AND VIVA EXAMINATION**

Commencement of 7th Module		**Weekly Schedule of Module VII OPERATIVE DENTISTRY**	
Activity	**Week no.**	**Interactive Lectures (Groups A,B,C,D)**	**Clinical Rotation in OPD/SGD/Skill Lab (Groups A,B,C,D)**
Academic Session – BDS Third Professional	**W/1**	1. Introduction of Operative Dentistry 2. Definition & Etiology of Dental caries **LO (100-101)**	- Orientation to the Operative OPD - Identify restorative instruments - Demonstrate about positioning the patients and Dentist in OPD **LO (104-107)**
	W/2	1. Pathogenesis of Dental caries. 2. Prevention of Dental caries. **LO (102-103)**	- Revision of the principles of cavity design of Class I, class I compound & V its restoration on patient tooth in OPD LO **(114,116,123)**
	W/3	Examination and Diagnosis of Dental Caries. **LO (108)**	- Application of matrix band retainer, band & wedge on phantom tooth in skill lab **LO(126,127)** - Understanding of Radiographs **LO (109-112)**
	W/4	Examination and Diagnosis of Erosion, Attrition, Abrasion **LO (122)**	- Preparation & restoration of Class II Slot and III cavities on patients teeth in OPD **LO (125 and 128)**
	W/5	Examination and Diagnosis of cracked Tooth **LO (124)**	- Application of Rubber dam on phantom teeth in skill lab **LO (118-120)**
	W/6	Selection of restorative materials. (Dental amalgam, tooth colored materials) **LO (129,136)**	Practice of Rubber dam on phantom teeth in skill lab LO (118-120)
	W/7	Understand the methods of isolation, control of the operating field **LO (136)**	-Demonstration of Endodontic Instruments **LO (133)**
	W/8	Cross infection control & sterilization in dentistry **LO (113)**	- Demonstration for root canal procedure on extracted tooth **LO (133-135)**
	W/9	Causes of restorative failure & postoperative problems **LO (130)**	Poster /Presentation/Quiz competition **Clinical OPD test (OSCE)**
	W/10	Discuss steps of root canal procedure **LO(135)**	

	W/11	Discuss esthetic considerations in diagnosis and treatment planning **LO (132)**	
	W/12	Introduce the use of lasers in dentistry **LO (131)**	
	W/13	**Theory Exam**	
	W/14	**Practical/viva Exam**	

Commencement of 7th Module		**Weekly Schedule of Module VII GENERAL MEDICINE**	
Activity	**Week**	**Lecture 1**	**Lecture 2**
Academic Session – BDS Third Professional	Week- 1	ACS and MI **LO (137)**	Obstructive lung diseases- Asthma **LO (143)**
	Week- 2	Heart failure **LO (138)**	COPD **LO (144)**
	Week- 3	ECG **LO (139)**	Bronchiectasis and Respiratory failure **LO (145)**
	Week- 4	Hypertension **LO (140)**	Pulmonary thromboembolism **LO (148)**
	Week- 5	Valvular Heart Diseases **LO (141)**	Pneumonia **LO (147)**
	Week- 6	Rheumatic fever and infective endocarditis **LO (142)**	Tuberculosis **LO (150)**
	Week- 7	Osteoarthritis **LO (151)**	Pleural effusion and pneumothorax **LO (149)**
	Week- 8	Rheumatoid arthritis **LO (152)**	Restrictive lung diseases **LO (146)**
	Week- 9	Systemic Lupus Erythematosus **LO (154)**	Sjögren's syndrome **LO (157)**
	Week- 10	Dyslipidemia **LO (160)**	Seronegative arthritis **LO (153)**
	Week-11	Osteoporosis **LO (158)**	Systemic sclerosis and CREST **LO (156)**
	Week-12	Crystal arthropathy **LO (159)**	Vitamins deficiency **LO (161)**
	Week-13 and 14	**THEORY AND VIVA EXAMINATION**	

Commencement of 7th Module		Weekly Schedule of Module VII GENERAL SURGERY
Activity	**Week**	**Lecture 1**
Academic Session – BDS Third Professional	Week- 1	Metabolic response to trauma. **LO (163)**
	Week- 2	Shock, Types and their management. **LO (164)** Hemorrhage, types and management, Blood transfusion, indications, risks, complications, Blood Products. How to write transfusion notes. **LO (165)**
	Week- 3	Sterilization, asepsis, techniques of sterilization**.** OT Protocols & prevention of infection in Operation Theater. **LO (166)**
	Week- 4	Wounds types, factors affecting wound healing. Acute wounds, chronic wounds, scar and contractures. **LO (167)** Surgical infection, classification, SIRS & MODS, Role of Antibiotics. **LO (168)**
	Week- 5	Chronic infections & leprosy & tuberculosis. **LO (169)**
	Week- 6	Abscess, sinus, fistula, subcutaneous swellings, ulcer types, cellulitis etc. **LO (170)** Acid base, fluid electrolyte balance. **LO (171-172)**
	Week- 7	Surgical nutrition, calculation and products use. **LO (173)**
	Week- 8	General Anesthesia, Drugs and gases used and their complications. Spinal anesthesia, Local anesthesia, uses & complications. **LO (175)**
	Week- 9	Pain control methods, chronic pain, caused by malignancy. **LO (177)**
	Week- 10	Preop care with high risk cases, post op care & management. **LO (174)** Benign & malignant lesions of skin and skin vascular lesions. Abscess, sinus, fistula, subcutaneous swellings, ulcer types, cellulitis etc. **LO (176)**
	Week-11	Revision **LO (177)**
	Week-12	Breast Benign diseases. **LO (178)** Breast cancer & diagnostic methods used to detect malignancy.

		LO (178)

Commencement of 7thModule		**Weekly Schedule of Module VII** **ORAL SURGERY**
Activity	**Week**	**Lecture 1**
Academic Session – BDS Third Professional	Week- 1	History & examination 1 **LO (180-182,197)**
	Week- 2	History & examination 2 **LO (180-182,197)**
	Week- 3	History & examination 3 **LO (180-182,197)**
	Week- 4	health status evaluation 1 **LO (15…20)**
	Week- 5	health status evaluation 2 **LO (194-198)**
	Week- 6	health status evaluation 3 **LO (194-198)**
	Week- 7	health status evaluation 4 **LO (194-198)**
	Week- 8	Sterilization & Cross Infection control 1 **LO (183,184,185,191-195)**
	Week- 9	Sterilization & Cross Infection control 2 **LO (183,184,185,191-195)**
	Week- 10	Sterilization & Cross Infection control 3 **LO (183,184,185,191-195)**
	Week-11	Sterilization & Cross Infection control 4 **LO (183,184,185,191-195)**
	Week-12	**THEORY AND VIVA EXAMINATION**

MODULE VIII

At the end of the module, students should be able to:

S.No	Learning Objectives	Teaching strategy	Assessment tool
	ORAL PATHOLOGY		
	Classify the cyst of jaws.	IL	BCQs/SAQs
	Explain the mechanism of radicular cyst formation.	SGD	SAQs
	Describe the clinical and histopathological features of odontogenic cysts.	IL	BCQs/SAQs/OSPE
	Compare clinical, histological and radiological features of dentigerous cysts and odontogenic keratocyst.	SGD	BCQs/SAQs/OSPE
	Discuss odontogenic developmental cysts in detail.	SGD	BCQs/SAQs
	Describe the features of naevoid basal cell carcinoma syndrome (NBCCS).	SGD	BCQs/OSPE
	Give an account of non-odontogenic epithelial cysts.	IL	BCQs/SAQs
	Discuss the clinical and histological features of soft tissue cysts (skin, mucous membrane and glandular).	IL	BCQs/SAQs/OSPE
	Discuss in detail the non-epithelial cysts of jaws.	IL	BCQs/SAQs
	Classify odontogenic and non-odontogenic tumors of jaws.	IL	BCQs/SAQs
	Describe the clinical, radiological and histological features of Ameloblastoma.	IL	BCQs/SAQs
	Discuss clinical, radiological and histological features of calcifying epithelial odontogenic tumor.	SGD	BCQs/SAQs
	Define odontomes and differentiate between Compound and Complex odontomes.	SGD	OSPE
	Discuss mesenchymal tumors	IL	BCQs/SAQs
	Differentiate between the premalignant lesions & conditions of oral cavity.	SGD	BCQs/SAQS/OSPE
	Discuss etiopathogenesis, histological and clinical features of oral submucous fibrosis.	IL/SGD	BCQs/SAQs/OSPE
	Describe etiopathogenesis, types, and clinical features of oral lichen planus.	IL	BCQs/SAQs/OSPE
	Define the key features of epithelial dysplasia.	SGD	SAQs

	Describe etiology, types, and clinical features of leukoplakia.	IL	BCQs/SAQs/OSPE
	Discuss etiology and clinical features of oral squamous cell carcinoma	SGD	BCQs/SAQs
	Discuss the infective, obstructive and traumatic disorders of major salivary glands.	IL/SGD	BCQs/SAQs/OSPE
	Discuss necrotizing sialometaplasia and sjögren syndrome in detail.	IL/SGD	BCQs/SAQs
	Classify the tumors of salivary glands.	IL	BCQs/SAQs
	Define xerostomia and enlist its causes.	IL	BCQs/SAQs
	Describe the clinical and histological features of pleomorphic adenoma, warthin's tumour and mucoepidermoid carcinoma.	IL	BCQs/SAQs/OSPE
	Identify the Stafne bone defect on a radiograph	PW	OSPE
	Identify the clinical images of precancerous lesions & conditions	PW	OSPE
	PROFESSIONALISM AND ETHICS		
	Demonstrate Competency in behaving ethical manner with patients, coworkers and the public to gain interest.	PBL	OSCE
	PATIENT'S SAFETY		
	To know the use and significance of Personal protective Equipments in patient management. To follow WHO guide line in PPE use.	SGD	OSCE
	Discusses impact of human factors on patient safety	SGD	OSCE
	COMMUNICATION SKILLS		
	Use written record, electronic medical record or other digital technologies while communicating with supervisor and patient.	SGD	OSCE
	Demonstrate interpersonal, intercultural and technologically mediated communication from multiple perspective.	PBL	BCQ
	<u>PERIODONTOLOGY</u>		
	Define periodontal disease.	CR	BCQs/SAQs
	Describe the classification system of periodontal diseases.	CR	BCQs/SAQs
	Discuss the need for classification.	CR	BCQs/SAQs
	Discuss Dental plaque induced gingival diseases	CR	BCQs/SAQs /CP
	Define Desquamative gingivitis.	IL/CR	BCQs/SAQs/ OSCE/CP

	List the diseases that can clinically present as Desquamative gingivitis.	SGD/CR	BCQs/SAQs/CP
	Recognize the clinical features of Desquamative gingivitis.	IL	MCQs/SEQs/OSCE
	Differentiate between mild, moderate and severe forms of Desquamative gingivitis.	IL/SGD	MCQs/SEQs/OSCE
	Discuss the various etiological factors involved in Desquamative gingivitis.	IL	MCQs/SEQs/OSCE
	Discuss the management of Desquamative gingivitis.	IL/SGD	MCQs/SEQs/OSCE
	Classify Acute gingival infections.	IL/SGD	MCQs/SEQs/OSCE
	Discuss the etiology, clinical features, differential diagnosis and treatment of Acute Necrotizing Ulcerative Gingivitis in detail.	IL/SGD/CR	MCQs/SEQs/OSCE
	Discuss the etiology, clinical characteristics, differential diagnosis and management of Acute Herpetic Gingivostomatitis in detail.	IL/SGD/CR	MCQs/SEQs/OSCE
	Define Pericoronitis.	IL/SGD	MCQs/SEQs/OSCE
	Discuss the clinical features, complications and treatment of Pericoronitis in detail.	IL/SGD/CR	MCQs/SEQs/OSCE
	Define periodontal pockets	IL/SGD	BCQs/SAQs /OSCE/ CP
	List the classification of periodontal pockets.	IL	BCQs/SAQs /OSCE/ CP
	Describe the procedure of determining the pocket depth.	IL/CR	BCQs/SAQs/CP
	Describe and differentiate true and false pockets.	IL/CR	BCQs/SAQs/CP
	Enumerate the clinical features of periodontal pockets.	IL/CR	BCQs/SAQs/OSCE/ CP
	Explain the pathogenesis of periodontal diseases.	IL	BCQs/SAQs/OSCE/ CP
	Discuss the histopathology of periodontal pockets with emphasis on changes in the soft tissue and hard tissue wall.	IL/CR	BCQs/SAQs/CP
	Discuss healing of periodontal pockets.	IL	BCQs/SAQs/CP

	Discuss the contents of periodontal pockets.	CR	BCQs/SAQs/OSCE/ CP
	Define and distinguish between supra bony and infra bony pockets.	SGD	BCQs/SAQs/OSCE/ CP
	Describe the pattern of bone Loss in periodontal disease.	SGD/CR	BCQs/SAQs/OSCE/ CP
	Define and discuss periodontal cyst.	CR	BCQs/SAQs/OSCE/ CP
	Discuss benign and malignant tumors of gingiva.	CR	BCQs/SAQs/OSCE/ CP
	Discuss etiology, clinical features and management of Fibrous epulis, Fibroma, Papilloma	SGD/CR	BCQs/SAQs/OSCE/ CP
	Discuss etiology, clinical features and management of Central giant cell granuloma	SGD/CR	BCQs/SAQs/OSCE/ CP
	Discuss etiology, clinical features and management of Peripheral giant cell granuloma	SGD/CR	BCQs/SAQs/OSCE/ CP
	Discuss etiology, clinical features and management of Leukoplakia	SGD/CR	BCQs/SAQs/OSCE/ CP
	Discuss etiology, clinical features and management of Gingival cyst	SGD/CR	BCQs/SAQs/OSCE/ CP
	Discuss etiology, clinical features and management of Squamous cell carcinoma	SGD/CR	BCQs/SAQs/OSCE/ CP
	Discuss etiology, clinical features and management of Malignant melanoma	SGD/CR	BCQs/SAQs/OSCE/ CP
	Discuss false enlargements of gingival tissues.	IL	BCQs/SAQs/OSCE/ CP
	Define abscess.	IL/CR	BCQs/SAQs/OSCE/ CP
	Discuss classification of abscess.	SGD	BCQs/SAQs/CP
	Define periodontal abscess.	IL/SGD/CR	BCQs/SAQs/OSCE/CP
	Define pericoronal abscess.	SGD	BCQs/SAQs/OSCE/ CP
	Discuss the difference between Acute and chronic periodontal abscess.	SGD/CR	BCQs/SAQs/CP

	List the clinical features of acute and chronic periodontal abscess.	IL/CR	BCQs/SAQs/CP
	Describe radiographical signs of periodontal abscess.	IL/CR	BCQs/SAQs/OSCE/ CP
	Discuss treatment options for periodontal abscess.	CR	BCQs/SAQs/OSCE/ CP
	Describe the indications for antibiotic therapy in patients with acute periodontal abscess.	CR	BCQs/SAQs/OSCE/ CP
	Classify Gingival enlargement.	IL/SGD	MCQs/SEQs/OSCE
	Discuss the etiology & grading of gingival enlargement.	IL/SGD	MCQs/SEQs/OSCE
	Discuss various types of gingival enlargements in detail.	IL/SGD	MCQs/SEQs/OSCE
	Discuss the management of Gingival enlargement.	IL/SGD	MCQs/SEQs/OSCE
	PROFESSIONALISM AND ETHICS		
	Describe basic principles of ethics with reference to social, cultural and religious perspective.	CR/SGD	BCQs
	Discuss the role of doctor in community & Duties of a doctor.	CR/SGD	BCQs
	Demonstrate competency in behaving in ethical manner with patients, coworkers and the public to gain trust.	CR	OSCE
	Analyze ethical issues/dilemmas in healthcare practice.	CR	OSCE
	Demonstrate competencies in resolving ethical issues faced during common clinical scenarios.	CR	OSCE
	Demonstrate competencies in avoiding potential ethical conflicts with pharmaceutical and other health industry providers.	CR	OSCE
	Differentiate between justice and equity.	CR/SGD	BCQ
	Apply professional code of ethics guidance given in PMC & HEC in given clinical scenarios.	CR	OSCE
	Demonstrate through knowledge and behavior, a commitment to the highest standards of competence, ethics, integrity and accountability to the patient and profession.	CR	OSCE
	Demonstrate Competency in behaving ethical manner with patients, coworkers and the public to gain interest.	CR	OSCE

	PATIENT'S SAFETY		
	Demonstrate competency in a establishing a therapeutic and professional relationship with patients and their families.	CR	OSCE
	Demonstrate competency in using patient-centered interviewing skills in gathering biomedical and psychological information.	CR	OSCE
	Demonstrate competency in seeking and developing relevant information from other sources, including the patient's family, with patient's consent.	CR	OSCE
	Recognize adverse events and errors.	CR/SGD	OSCE
	Demonstrate competency in using patient-centered interviewing skills in gathering biomedical and psychological information.	CR	OSCE
	Discusses modern theory and principles of safety—for healthcare and non-healthcare industries	CR/SGD	OSCE
	Discusses impact of human factors on patient safety	CR	OSCE
	Describes clinical and administrative indicators of safety and safe delivery of high-quality care	CR	OSCE
	Demonstrates ability to analyze process and outcomes measures, data and impact on quality and safety	CR	OSCE
	COMMUNICATION SKILLS		
	Demonstrate competency in communicating effectively with patients.	CR	OSCE
	Demonstrate competency in breaking the bad news to patient.	Role Play	OSCE
	Demonstrate competency communicating effectively about ethical issues with patients and their family.	CR	OSCE
	Use effective and efficient communication and management strategies	Role Play	OSCE
	Use written record, electronic medical record or other digital technologies while communicating with supervisor and patient.	SGD	OSCE
	Communicate in a manner that is respectful of and sensitive to the patient's and family's age, orientation, culture and beliefs	CR	OSCE
	Demonstrate competency communicating effectively about ethical issues with patients and their family.	CR	OSCE

	Communicate patient using non-verbal behavior & appropriate voice tone.	CR	OSCE
	Communicate using patient-centered approach that encourages patient trust and autonomy which should be characterized by empathy, respect and compassion.	CR	OSCE
	Demonstrate empathy while communicating with patients.	CR	OSCE
	Demonstrate interpersonal, intercultural and technologically mediated communication from multiple perspectives.	PBL	BCQ
	ORAL MEDICINE		
	List and differentiate normal oral mucosal variants from pathological lesions.	IL/ SGD	SAQs
	Classify Red and White lesions	IL/SGD	SAQs/OSCE
	Enumerate the causes of red and white lesions of oral mucosa.	IL/ SGD	BCQs/SAQs/ OSCE
	Classify the types of leukoplakia.	IL	BCQs/SAQs/OSCE
	Describe management for leukoplakia.	IL/ CBL	SAQs
	Discuss clinical features and management of Erythroplakia.	IL/CBL	BCQs/SAQs
	Discuss the clinical features of Oral Submucous Fibrosis	IL	SAQs
	Classify Oral ulcers	IL/ CR	SAQs/Viva
	List etiological factors for recurrent Aphthous ulceration.	IL	SAQs
	Discuss the types and clinical features of recurrent Aphthous ulceration	IL/ CR	SAQs/ Viva
	Interpret investigations involved in diagnosis of recurrent Aphthous ulceration	IL/ CR	SAQs/ Viva
	Describe the management of recurrent Aphthous ulceration.	IL/ CR	SAQs/OSCE
	Define vesiculo-bullous diseases.	IL	SAQs
	List differential diagnosis of various vesiculo-bullous lesions of oral cavity.	IL/ SGD	SAQs/ OSCE
	Discuss the clinical features and management of Behçet's syndrome	IL	CQ
	Differentiate between Mucous membrane pemphigus and Mucous membrane pemphigoid.	IL/CBL	SAQs/ Viva
	Discuss the cause and clinical features of Mucous membrane pemphigoid	IL/CBL	SAQs/OSCE/ Viva

	Discuss the cause and clinical features of pemphigus vulgaris.	IL/CBL	SAQs/OSCE/ Viva
	Discuss investigations necessary to diagnose pemphigus vulgaris and Mucous membrane pemphigoid.	IL/CBL	SAQs
	Describe the histological difference between Mucous membrane pemphigus and Mucous membrane pemphigoid.	IL/ SGD	CQ
	Discuss various treatment options involved in pemphigus vulgaris and Mucous membrane pemphigoid.	IL/ SGD/ CBL	SAQs/OSCE
0.	Describe the causes, clinical features and management of erythema multiforme.	IL/ SGD/ CBL	SAQs/OSCE
1.	Define premalignant lesion.	IL	SAQs/ Viva
2.	Define premalignant condition.	IL	SAQs/ Viva
3.	Differentiate between premalignant lesion and premalignant condition	IL/CBL	BCQs/ SAQs
4.	List and discuss various premalignant lesions of oral cavity.	IL/CBL	BCQs/ SAQs
5.	List and discuss various premalignant conditions of oral cavity	IL/SGD	BCQs/ SAQs
6.	Discuss the principles for management of dysplastic lesions	IL/ SGD	Viva
7.	Discuss various risk factors for malignant changes in oral lesions.	IL/ SGD	SAQs/ Viva
8.	Discuss clinical features and management of Erythroplakia.	IL	SAQs/ OSCE
9.	Discuss clinical features and management of Leukoplakia.	IL	SAQs/ OSCE
0.	Discuss clinical features and management of chronic hyperplastic candidiasis.	IL	SAQs/SAQ/VIVA
1.	Discuss the causes, clinical features and management of Oral sub mucous fibrosis.	IL/ SGD/CBL	SAQs/OSCE/ Viva
2.	Describe the role of general dental practitioner in management of precancerous and cancerous lesions.	IL	Viva/OSCE
3.	Discuss prevention and medical management of pre-cancerous lesions and conditions	IL	SAQs
4.	List the causes of Glossitis.	IL	SAQs
5.	Discuss the clinical features and management of Erythema migrans.	IL	BCQs/ SAQs
6.	Discuss the clinical features and management of median rhomboid glossitis.	IL	BCQs/SAQs

7.	Describe the causes of macroglossia.	IL	BCQs/ SCQ/VIVA
8.	Discuss the cause, investigations and treatment options involved in Amyloidosis	IL	BCQ/SAQ/VIVA
9.	List the causes of pain in oral and maxillofacial region.	IL/ SGD/ CBL	Viva/SAQ
0.	Discuss clinical features, diagnosis and management of trigeminal neuralgia.	IL/ SGD/ CBL	BCQs/ SAQs/ Viva
1.	Discuss the clinical features and management of atypical facial pain.	IL	BCQs/ CQ
2.	Discuss the clinical features and management of burning mouth syndrome.	IL	BCQs/ CQ
3.	List the causes of facial palsy	IL/ SGD/	BCQs/SAQs/ OSCE
4.	Describe the management of Bell's palsy.	IL/ SGD/	BCQs/SAQs/OSCE
5.	Discus basic anatomy and physiology of Temporomandibular Joint and the pathologies related to it,	IL/ SGD/	BCQs/SAQs/ viva
6.	Evaluate TMJ pain and dysfunction	IL/ SGD/	BCQs/SAQs/ viva
7.	Assess patients for potential TMD risk factors	IL/ SGD/	BCQs/SAQs/ viva
8.	Apply clinical examination findings to determine patient's TMD diagnoses	IL/ SGD/	BCQs/SAQs/ viva
9.	List the most commonly used physical, medication, and behavioral treatment modalities for TMD	IL/ SGD/	BCQs/SAQs/ viva
0.	Implement a TMD treatment protocol, including TMD self-management strategies	IL/ SGD/	BCQs/SAQs/ viva
1.	Assess the patient with TMJ disc derangement	IL/ SGD/	BCQs/SAQs/ viva
2.	List the management of TMJ disc derangement	IL/ SGD/	BCQs/SAQs/viva
3.	Discuss the adverse effects of radiotherapy in Oral & Maxillofacial region.	IL/ SGD	OSCE/ Viva
4.	Discuss the role of general dentist in management of patients undergoing radiotherapy.	IL/ SGD	BCQs/ OSCE/ Viva
5.	**PROFESSIONALISM AND ETHICS**		

	Demonstrate skills in introducing himself/ herself to the patient before history taking	SGD	OSCE/ Viva
	Take informed consent from the patient before commencing treatment.	SGD	OSCE/ Viva
	Demonstrate the professional attributes of a learner, colleague and physician in training.	SGD	OSCE/ Viva
	Describe the basic principles of ethics with reference to social, cultural and religious perspectives.	SGD	OSCE/ Viva
	COMMUNICATION SKILLS		
	Demonstrate positive gestures to the patient.	SGD	OSCE/ Viva
	Demonstrate competency in preparing and delivering high impact presentations	SGD	OSCE/ Viva
	PROSTHODONTICS		
6.	Inquire about symptoms and history of the presenting complaint	IL	CQ
7.	Interpret consequences of tooth loss	IL	CQ
8.	Rationalize the need of prosthesis	IL	CQ
9.	Identify the types of prosthodontics treatment modalities.	CBL	OSCE/VIVA
0.	Identify partial dentulism according to Kennedy's Classification	CBL	OSCE/VIVA
1.	Apply Applegate's rules on different dentate states	CBL	OSCE/VIVA
2.	Enumerate the need for classifications systems	CBL	OSCE/VIVA
3.	Choose appropriate treatment modality according to number of teeth missing with justification.	CBL	OSCE/VIVA
4.	Justify the prescription of removable partial denture in a patient.	CBL	OSCE/VIVA
5.	Classify removable partial dentures according to support.	CBL	OSCE/VIVA
6.	Enumerate the types of removable partial dentures on the basis of material, uses and clinical requirements.	CBL	OSCE/VIVA
7.	Apply material science for fabrication of cast removable partial dentures.	CBL	OSCE/VIVA
8.	List the uses of interim removable partial dentures.	IL	OSCE/VIVA
9.	Justify the prescription of interim removable partial dentures.	IL/CR	OSCE/VIVA
0.	Design interim removable partial dentures.	CR	OSCE/VIVA

1.	Outline clinical and laboratory procedures for interim removable partial dentures.	IL/CR	OSCE/VIVA
2.	Design interim removable prosthesis	CR	SC
3.	Demonstrate skill in provide block out and relief according to the situation	CR	SC
4.	Demonstrate skill in recording occlusal relationships in partially dentate individuals.	CR	SC
5.	Select appropriate occlusal relationships method in partially dentate individuals.	CR	SC
6.	Perform the process of acrylic processing, finishing and polishing the dentures.	CR	PW
7.	Adjust acrylic removable partial dentures in patient's mouth.	CR	PW
8.	Identify common pressure areas encountered.	IL/CR	OSCE/PW
9.	Apply disinfection protocols for impressions and removable prosthesis.	IL/CR	OSCE/VIVA
10.	Sequencing of clinical and laboratory procedures for interim removable partial dentures.	CR	OSCE
11.	Recognize the need of omitting or joining one or more fabrication steps of removable partial denture.	CR	OSCE
12.	Fabricate removable partial dentures for partially dentate patients.	CR	PW
13.	Outline treatment planning protocol of a prosthodontics patient.	IL	OSCE/VIVA
14.	Enumerate favorable history and examination in Sequence	IL	OSCE/VIVA
15.	Record a comprehensive history of a prosthodontics patient.	CR	OSCE/VIVA
16.	Perform extra oral and intraoral examination on a patient.	CR	OSCE/VIVA
17.	Identify functional and non-functional cusps.	IL/CR	OSCE
18.	Identify occlusal scheme clinically.	IL/CR	OSCE
19.	Perform basic dental charting and periodontal examination of teeth	CR	OSCE
20.	Prescribe basic investigations like periapical and OPG radiographs.	IL/CR	OSCE/VIVA
21.	Identify the need of impression tray modification.	CR	OSCE/VIVA
22.	Make diagnostic impressions with alginate impression material.	CR	PW
23.	Identify problems in alginate impressions with reasons.	CR	OSCE/VIVA
24.	Manage a patient with an exaggerated gag reflex under supervision	CR	PW

5.	Rationalize the need of diagnostic maxillomandibular relation in different partially dentate states.	CR/CBL	PW/VIVA
6.	Analyze diagnostic casts.	CR/IL	OSCE
7.	Measure pontic space.	CR	OSCE/PW
8.	Delineate the steps of performing definitive oral examination.	IL	OSCE/VIVA
9.	Interpret diagnostic data.	IL/CR	OSCE
0.	Develop the basic phases of treatment plan.	IL/CR	OSCE
1.	Formulate a differential and a definitive diagnosis.	CR/CBL	OSCE
2.	Refer a patient to appropriate specialist.	CR	OSCE
3.	Write a referral.	CR	OSCE
4.	Counsel the patient regarding conSequences of tooth removal without replacement.	CR	OSCE
5.	Identify patient needs.	CR	PW
6.	Formulate treatment options in relation to patient needs.	CR/CBL	OSCE/PW
7.	Communicate the diagnosis and treatment options to the patient in an appreciable manner.	CR	OSCE
8.	Write a patient record note.	CR	OSCE
9.	Select appropriate material used for denture framework.	IL	OSCE
0.	Define connector, major connector and minor connector.	IL	CQ
1.	Enumerate the functions and requirements of major connectors.	IL	CQ
2.	Explain the basic types of mandibular and maxillary major connectors.	IL/CBL	CQ
3.	Outline the guidelines related to location of connectors in the oral cavity.	IL	CBL
4.	Select mandibular major connectors according to space requirements in a given clinical scenario.	IL/CBL	CBL
5.	Describe the basic design characteristics of major connectors.	IL	CQ
6.	Define minor connector.	IL	CQ
7.	Enumerate the functions of minor connectors.	IL	CQ
8.	Distinguish between rest and rest seat.	IL	CQ
9.	Delineate the functions of rests.	IL	CQ

0.	Differentiate between the different types of rests and rest seats in relation to their form and location.	IL/CBL	CQ
1.	Outline the guidelines for support of rests.	IL	CQ
2.	Define direct retainers.	IL	CQ
3.	Classify types of direct retainers.	IL	CQ
4.	Define clasp assembly.	IL	CQ
5.	Distinguish between parts of clasp assembly in regard to retention, support, stability and reciprocation.	IL	CQ
6.	Relate height of contour, supra bulge and infrabulge areas for retentive clasps.	IL	CQ
7.	Associate retentive factors of clasps with tooth factors	IL	CQ
8.	Outline the basic principles governing clasp design.	IL	CQ
9.	Define denture bases	IL	CQ
0.	Enumerate the ideal requirements of denture bases.	IL	CQ
1.	Relate denture base requirements to support mechanism of removable partial denture.	IL/CBL	CBL
2.	Differentiate between metal and acrylic resin denture bases.	IL	CBL
3.	Outline the functions of denture bases.	IL	CQ
4.	Anticipate changes in denture base design for tooth tissue supported prosthesis.	IL	CBL
5.	List movements of tooth tissue supported dentures	IL	CQ
6.	Correlate concepts of fulcrum, effort and resistance in lever principle.	IL	CQ
7.	Relate the movement of the removable partial denture to lever principle.	IL	CQ
8.	Differentiate between tooth supported and tooth tissue supported removable partial dentures.	IL/CBL	CBL
9.	Select an impression material in different partially dentate conditions.	CR	OSCE/VIVA/PW
0.	Select an impression technique in different partially dentate states.	IL/CR	OSCE/VIVA/PW
1.	Demonstrate skill in pouring a cast.	CR	PW
2.	Identify inaccurate or weak cast.	CR	OSCE/VIVA
3.	Rationalize the need for making individual trays.	IL/CR	OSCE/VIVA

4.	Enumerate the steps for making individual trays.	IL/CR	OSCE/VIVA
5.	Distinguish between anatomic and functional form of residual ridge.	IL	OSCE/VIVA
6.	Make an impression using composition and alginate for distal extension bases.	CR	PW
7.	Define overjet, overbite, buccal overlap, centric relation, centric occlusion, and maximum intercuspation, curve of Spee and curve of Monsoon.	IL	CQ
8.	Enumerate desirable occlusal contact relationships for removable partial dentures.	IL	CQ
9.	Select a method for establishing occlusal relationships according to different partially dentate conditions.	CBL/CR	CBL/PW
0.	Demonstrate the making of proper record blocks and occlusal rims on cast framework.	CR	OSCE/PW
1.	Perform acrylic processing, finishing and polishing the dentures.	CR	PW
2.	Explain the methods for adjusting the bearing surfaces of denture bases.	IL	VIVA
3.	Adjust acrylic removable partial dentures in patient's mouth.	CR	PW
4.	List common pressure areas encountered.	IL	VIVA
5.	Outline Sequence protocol for fitting of framework in the oral cavity.	IL/CR	VIVA
6.	Enumerate methods for adjusting occlusion.	IL/CR	VIVA
7.	Instruct the patient for difficulties that may be encountered during denture service.	CR	OSCE
8.	Rationalize the follow up appointments for partial denture patients.	IL/CR	OSCE/VIVA
9.	**PROFESSIONALISM AND ETHICS**		
	Discuss the role of doctor in community & Duties of a doctor.	CR	OSCE
	Demonstrate competency in behaving in ethical manner with patients, coworkers and the public to gain trust.	CBL	OSCE
	Analyze ethical issues/dilemmas in healthcare practice.	CBL	OSCE
	Demonstrate competencies in resolving ethical issues faced during common clinical scenarios.	CBL	OSCE

	Demonstrate competencies in avoiding potential ethical conflicts with pharmaceutical and other health industry providers.	Role Play	OSCE
	Apply professional code of ethics guidance given in PMDC & HEC in given clinical scenarios.	Role Play	OSCE
	PATIENT'S SAFETY		OSCE
	Demonstrate competency in a stablishing a therapeutic and professional relationship with patients and their families.	CBL	OSCE
	Demonstrate competency in using patient-centered interviewing skills in gathering biomedical and psychological information.	Role Play	OSCE
	Demonstrate competency in seeking and developing relevant information from other sources, including the patient's family, with patient's consent.	Role Play	OSCE
	COMMUNICATION SKILLS		OSCE
	Demonstrate competency in communicating effectively with patient.	CBL	OSCE
	Demonstrate competency in breaking the bad news to patient.	Role Play	OSCE
	Demonstrate competency communicating effectively about ethical issues with patients and their family.	CBL	OSCE
	Use effective and efficient communication and management strategies	Role Play	OSCE
	Use written record, electronic medical record or other digital technologies while communicating with supervisor and patient.	SGD	OSCE
	GENERAL MEDICINE		
0.	Discuss the pathogenesis, clinical manifestations, investigations and management of gastroesophageal reflux disease	IL	BCQ/SAQ/OSCE
1.	Discuss the approach to a patient with peptic ulcer disease its pathogenesis, investigation and their management.	IL	BCQ/SAQ/OSCE
2.	Prescribe the management of Helicobacter pylori gastritis and other gastritis	IL	BCQ/SAQ/OSCE
3.	Understands the different causes of upper GI bleeding; can prescribe the emergency management of hematemesis.	IL	BCQ/SAQ/OSCE
4.	Discuss the approach to diagnose and manage irritable bowel syndrome	IL/ SGD	BCQ/SAQ/OSCE

5.	Discuss the pathogenesis, clinical manifestations, investigations and management of inflammatory bowel disease.	IL/ SGD	BCQ/SAQ/OSCE
6.	Differentiate between acute and chronic pancreatitis in symptoms and management.	IL	BCQ/SAQ/OSCE
7.	Describe the signs and symptoms of cirrhosis of the liver and its complications as portal hypertension	IL	BCQ/SAQ/OSCE
8.	Differentiate between acute and chronic hepatitis.	IL/ SGD	BCQ/SAQ/OSCE
9.	Describe the etiology, pathogenesis, clinical features, diagnostic tests, and treatment of Nephritic syndrome	IL	BCQs/SAQs/OSCE
0.	Discuss the etiology, pathogenesis, clinical features, diagnostic tests, and treatment of acute renal failure	IL	BCQs/SAQs/OSCE
1.	Define Urinary tract infections along with their evaluation and treatment	IL	BCQs/SAQs/OSCE
2.	Discuss the etiology, pathogenesis, clinical features, diagnostic tests, and treatment of chronic renal failure	IL	BCQs/SAQs/OSCE
3.	Describe the clinical features, diagnostic tests, and treatment of post streptococcal glomerulonephritis	IL	BCQs/SAQs/OSCE
4.	Understands the relationship between the various clinical presentations of intrinsic renal disease and their underlying cause.	IL/ SGD	BCQs/SAQs/OSCE
5.	Describe the etiology, pathogenesis, clinical features, diagnostic tests, and treatment of Nephrotic syndrome	IL	BCQs/SAQs/OSCE
6.	Discuss the approach to diagnose and manage electrolyte imbalance.	IL/ SGD	BCQs/SAQs/OSCE
7.	Understand the basis of metabolic acidosis and lactic acidosis.	IL	BCQs/SAQs/OSCE
8.	Discuss the approach and management of dehydration and shock.	IL	BCQs/SAQs/OSCE
9.	Describe the different types and clinical manifestations of diabetes.	IL/SGD	BCQs/SAQs/OSCE
0.	**PROFESSIONALISM AND ETHICS**		
	Describe basic principles of ethics with reference to social, cultural and religious perspective.	SGD	BCQs
	Discuss the role of doctor in community & Duties of a doctor.	SGD	BCQs

	PATIENT'S SAFETY		
	Demonstrate competency in using patient-centered interviewing skills in gathering biomedical and psychological information.	Role play	OSCE
	Demonstrate competency in seeking and developing relevant information from other sources, including the patient's family, with patient's consent.	Role play	OSCE
	COMMUNICATION SKILLS		
	Demonstrate competency in breaking the bad news to patient.	Role Play	OSCE
	Use effective and efficient communication and management strategies	Role Play	OSCE
	<u>GENERAL SURGERY</u>		
1.	Describe Primary & Secondary survey and the management	IL/CR/PW	BCQs/SAQs/OSCE
2.	Describe Triage and blast injuries	IL/CR/PW	BCQs/SAQs/OSCE
3.	Explain the role of ICU in the management of trauma	IL/CR	BCQs/SAQs
4.	Describes Types and management of burns and can write principles of Fluid electrolytes management	IL/CR	OSCE
5.	Describe types of fractures & management of extremity fracture.	IL/CR	BCQs/SAQs
6.	Describe fractures of pelvic bone & spine	IL	BCQs
7.	Describe the management of Head injury and cervical spine	IL/SGD	BCQs/SAQs/OSCE
8.	Describe the maxillofacial fracture and complications& immediate management	IL/CR	BCQs/SAQs/OSCE
9.	Describe the traumatic injuries of neck, trachea and oropharynx.	IL	BCQs
0.	Describe the chest injuries and their management	IL/CR	BCQs/SAQs/OSCE
1.	Describe the Abdominal injuries	IL/SGD/CR	BCQs/SAQs/OSCE

2.	Describe the Pelivc injuries and associated perineal injuries	IL/SGD/CR	BCQs/SAQs/OSCE
3.	Describe the congenital problems of face, lips & palate	IL	BCQs/SAQs
4.	Discuss infections and tumors of bones especially of Head and Neck area	IL/CR/PW	BCQs/SAQs/OSCE
5.	Describe the management of diabetic foot and other acute and chronic infections of bone.	IL/CR/PW	BCQs/SAQs/OSCE
6.	Describe metabolic diseases of bone & parathyroid.	IL	BCQs/SAQs
7.	Describe the benign and malignant diseases of thyroid	IL/CR/PW	BCQs/SAQs/OSCE
8.	Demonstrate the various other neck lesions	IL	BCQs
9.	**PROFESSIONALISM AND ETHICS**		
	Describe basic principles of ethics with reference to social, cultural and religious perspective.	SGD	BCQs
	Discuss the role of doctor in community & Duties of a doctor.	SGD	BCQs
	PATIENT'S SAFETY		
	Demonstrate competency in using patient-centered interviewing skills in gathering biomedical and psychological information.	Role play	OSCE
	Demonstrate competency in seeking and developing relevant information from other sources, including the patient's family, with patient's consent.	Role play	OSCE
	COMMUNICATION SKILLS		
	Demonstrate competency in communicating effectively with patients.	Role Play	OSCE
	Use effective and efficient communication and management strategies	Role Play	OSCE
	Communicate in a manner that is respectful of and sensitive to the patient's and family's age, orientation, culture and beliefs	CR	OSCE
Oral Surgery			
268.	Inquire about symptoms and history of the presenting complaint	IL	BCQs
269.	Perform thorough History and Examination.	IL/ CR	OSCE
270.	Diagnose pattern & ways of making tentative diagnosis.	IL/ CR	OSCE

271.	Discuss different treatment modalities for various common conditions seen in oral surgery.	IL/CR	OSCE
272.	List different methods of Sterilization and their relevance to OMFS.	IL	BCQs
273.	Identify various Instruments used in Oral Surgery	CR	OSCE
274.	Discuss the Principles of Oral Surgery	IL	BCQs
275.	Discuss types of incisions & flaps	IL	CQ
276.	Identify methods of tissue handling	IL	CQ
277.	Define Hemostasis	IL	CQ
278.	Identify types of hemorrhage along with its management.	IL	CQ
279.	Implement Pre & Post-Operative Care	CR	OSCE
280.	Discuss the hazards of cross-infection and its prevention	IL	BCQs/SAQs
281.	List types of Local Anesthesia and recall their pharmacology.	IL/ CP	CQ
282.	Identify different indications and contra-indications of using Local anesthesia.	IL/ CP	CQ
283.	Discuss techniques of administration of Local anesthesia.	IL/CR	OSCE
284.	Describe complications of local anesthesia and its management.	IL/CR	OSCE
285.	Explain the hazards of ionizing radiation	IL	CQ
286.	Identify components of dental X-ray machine	IL	CQ/OSCE
287.	Describe interaction of X-rays with matter	IL	SAQ/BCQ
288.	Discuss risk and risk estimates and exposure risk from dental radiography	IL	SAQs
289.	Describe optimizationfor dental radiography and the ALARA concept	IL	SAQs
290.	Explain chemical processing of a conventional X-ray film	IL	SAQs
291.	Describe quality assurance mechanism for dental practice	IL	CQ
292.	**PROFESSIONALISM AND ETHICS**		
	Apply ethical decision-making in all interactions with patients and their families, colleagues and other health care professionals.	CR	OSCE
	Uphold the principle of ALARA	SGD	BCQ

	Acknowledge hazard of ionizing radiation	SGD	SAQ
	Establish quality assurance for dental radiography .	SGD	BCQ
	Demonstrate competencies in resolving ethical issues faced during common clinical scenarios.	CR	OSCE
	PATIENT'S SAFETY		
	Identify high risk situations and safety risks.	CR	OSCE
	Show to the patient about use of lead apron & thyroid collar for X-ray taking	CR	OSCE
	Perform proper handling and maintenance of patient care equipment.	CR	OSCE
	Describe injury prevention, safe patient transport, handling and transfers, and removal of hazards.	CR	OSCE
	Identify and respond to safety concerns raised by others.	CR	OSCE
	Apply infection control procedures and processing of intra oral radiographs.	SGD	OSCE
	COMMUNICATION SKILLS		
	Perform basic intraoral radiographic techniques	CR	OSCE
	Prepare patient for X-ray exposure	CR	OSCE
	Arrange correct positioning of the patient for OPG and LATERAL CEPH Radiograph	CR	OSCE
	Perform chemical processing of a conventional X ray film	CR	OSCE
	Demonstrate competency in using patient-centered interviewing skills in gathering biomedical and psychological information.	CR	OSCE
Behavioral Sciences			
	Stress Management		
293.	Explore psychological techniques, including hypnosis, for managing patient anxiety and pain in dental procedures.	Clinical Practices & SGD	OSCE
294.	Understand the ethical considerations and limitations of using psychological techniques in dental practice.	Lecture & SGD	MCQs + SAQs
295.	**History taking and interviewing**		
296.	Understand the importance of establishing rapport with patients during history taking.	Lecture & SGD	MCQs + SAQs

297.	Develop skills for building trust and creating a comfortable environment for open communication.	Clinical Practices & SGD	OSCE
298.	Recognize the impact of cultural factors on patient communication.	Lecture & SGD	MCQs + SAQs
299.	Develop cultural competence to ensure sensitivity and inclusivity during history taking.	Clinical Practices & SGD	OSCE
300.	Shift from a provider-centric to a patient-centered approach in communication.	Clinical Practices & SGD	OSCE
301.	Incorporate patient preferences and values into the history-taking process.	Clinical Practices & SGD	OSCE
	Dentist-Patient Relationship		
302.	Develop skills to establish rapport and build a trusting relationship with patients.	Clinical Practices & SGD	OSCE
303.	Understand the importance of effective communication in fostering a positive dentist-patient connection.	Lecture & SGD	MCQs + SAQs
304.	Shift from a provider-centric to a patient-centered approach in dental care.	Clinical Practices & SGD	OSCE
305.	Recognize the role of patient preferences, values, and collaboration in treatment decisions.	Lecture & SGD	MCQs + SAQs
	Ethics		
306.	Develop effective communication skills for explaining treatment options, risks, and benefits to patients.	Clinical Practices & SGD	OSCE
307.	Demonstrate the ability to use clear and understandable language in the informed consent process.	Clinical Practices & SGD	OSCE
308.	Understand the concept of decision-making capacity in the context of obtaining informed consent	Lecture & SGD	MCQs + SAQs
309.	Recognize factors that may impact a patient's ability to make informed decisions about their dental care.	Lecture & SGD	MCQs + SAQs
	Leadership and Management		
310.	Define ethical decision-making and its importance in dental practice.	Lecture & SGD	MCQs + SAQs
311.	Recognize ethical dilemmas commonly faced in dentistry and explore strategies for resolution.	Lecture & SGD	MCQs + SAQs

312.	Identify common sources of conflict in dental teams and practice settings.	Lecture & SGD	MCQs + SAQs
313.	Develop skills for effective conflict resolution and negotiation within the dental team.	Clinical Practices & SGD	OSCE

Commencement of 8th Module		**Weekly Schedule of Module VIII** **ORAL PATHOLOGY**	
Activity	**Week**	**Lecture 1**	**Lecture 2**
Academic Session – BDS Third Professional	Week- 1	Classification of Cyst of Jaws Dentigerous Cyst **LO (1, 4)**	Radicular Cyst **LO (2)**
	Week- 2	Odontogenic Keratocyst tumor **LO (4, 6)**	Odontogeniccyst of jaws **LO (3)**
	Week- 3	Non-Odontogenic cyst of jaws **LO (7)**	False Cyst and soft tissue cyst of Jaws **LO (9- 10)**
	Week- 4	**CAT -3**	Pre-cancerous Lesions and Conditions I **LO(15)**
	Week- 5	Pre-cancerous Lesions and Conditions II **LO (16- 17)**	Pre-cancerous Lesions and Conditions III **LO (18- 20, 27)**
	Week- 6	Classify Odontogenic and Non – Odontogenic tumors and Odontogenic Epithelial tumors I **LO (10- 11)**	Odontogenic Epithelial tumors **LO (11-12)**
	Week- 7	Mesenchymal tumors **LO (14)**	Odontomes **LO (13)**
	Week- 8	Infective, obstructive, traumatic diseases of salivary glands I **LO (21)**	Infective, obstructive, traumatic diseases of salivary glands II **LO (21)**
	Week- 9	Sjogren syndrome **LO (22, 24)**	Benign & Malignant tumors of salivary glands I **LO (23, 25)**
	Week- 10	Benign & Malignant tumors of salivary glands II **LO (25-26)**	**CAT -4**
	Week-11	Revision	Revision
	Week-12	**THEORY AND VIVA EXAMINATION**	

Commencement of 8th Module		Weekly Schedule of Module VIII PERIODONTOLOGY
Activity	**Week**	**Lecture 1**
Academic Session – BDS Third Professional	Week- 1	Classification Of Periodontal Diseases **LO (29-32)**
	Week- 2	Desquamative Gingivitis **LO (33-38)**
	Week- 3	Acute Gingival Infections (Necrotizing Ulcerative Gingivitis) **LO (39-40)**
	Week- 4	Acute Gingival Infections (Primary herpetic gingivostomatitis & Pericoronitis) **LO (41-43)**
	Week- 5	Periodontal Pocket **LO (44-55)**
	Week- 6	Tumor & Tumor Like Lesions **LO (56-64)**
	Week- 7	Periodontal Abscess & Treatment **LO (65-73)**
	Week- 8	Gingival Enlargement **LO (74-77)**
	Week- 9	Revision of Module 8 Topics
	Week- 10	OSCE Slides Revision
	Week- 11	Class Test
	Week-12	**THEORY AND VIVA EXAMINATION**

Commencement of 8th Module		Weekly Schedule of Module VIII ORAL MEDICINE
Activity	**Week**	**Lecture 1**
Academic Session – BDS Third Professional	Week- 1	White and red lesion **LO (67-61)**
	Week- 2	White and red lesion **LO (71-73)**
	Week- 3	Vesiculo-bullous lesion **LO (79-82)**
	Week- 4	Vesiculo-bullous lesion **LO (83-88)**
	Week- 5	Premalignant lesion and conditions **LO (89-101)**
	Week- 6	Oral ulcers **LO (74-78)**
	Week- 7	Tongue disorder **LO (102-106)**
	Week- 8	Effect of radiotherapy on oral mucosa **LO (121-122)**
	Week- 9	Facial palsy **LO (111-112)**
	Week- 10	Orofacial pain **LO (107-110)**
	Week-11	Temporomandibular joint disorder LO(113-120)
	Week 12	**THEORY AND VIVA EXAMINATION**

Commencement of 8th Module		Weekly Schedule of Module VIII PROSTHODONTICS
Activity	**Week**	**Lecture 1**
Academic Session – BDS Third Professional	Week- 1	The partial Denture Equation **LO (124-126)**
	Week- 2	Dental Prostheses and Classification systems **LO (127-132)**
	Week- 3	Interim Removable Partial Dentures **LO (133-150)**
	Week- 4	Treatment Planning **LO (151-158, 164-177)**
	Week- 5	Maxillary and Mandibular major connectors **LO (178-183)**
	Week- 6	Minor Connectors **LO (184-185)**
	Week- 7	Rests and Rests seats **LO (183-189)**
	Week- 8	Direct Retainers **LO (190-196)**
	Week- 9	Denture Bases and Impression Techniques **LO (159-163,197-201, 207-214)**
	Week- 10	Tooth tissue supported Dentures **LO (202-206)**
	Week- 11	Maxillomandibular Relations and Occlusion **LO (215-218, 224)**
	Week- 12	**THEORY AND VIVA EXAMINATION**

Commencement of 8th Module		Weekly Schedule of Module VIII GENERAL MEDICINE	
Activity	**Week**	**Lecture 1**	**Lecture 2**
Academic Session – BDS Third Professional	Week- 1	Gastroesophageal reflux disease **LO (228)**	Acute and chronic hepatitis **LO (236)**
	Week- 2	Peptic ulcer disease **LO (229)**	Cirrhosis of the liver and its complications **LO (235)**
	Week- 3	Gastritis **LO (230)**	Nephrotic syndrome **LO (243)**
	Week- 4	Upper GI bleeding **LO (231)**	Nephritic syndrome **LO (237)**
	Week- 5	Irritable bowel syndrome **LO (232)**	Post streptococcal glomerulonephritis **LO (241)**
	Week- 6	Inflammatory bowel disease **LO (233)**	Urinary tract infections **LO (239)**
	Week- 7	Acute and chronic pancreatitis **LO (234)**	Acute renal failure **LO (238)**
	Week- 8	Diabetes mellitus **LO (247)**	Chronic renal failure **LO (240)**
	Week- 9	Diabetes mellitus treatment **LO (248)**	Miscellaneous renal disorders **LO (242)**
	Week- 10	DM complications and emergencies **LO (249)**	Electrolyte imbalance **LO (244)**
	Week-11	Obesity **LO (250)**	Acid base disorders **LO (245)**
	Week-12	**THEORY AND VIVA EXAMINATION**	

Commencement of 8th Module		Weekly Schedule of Module VIII GENERAL SURGERY
Activity	**Week**	**Lecture 1**
Academic Session – BDS Third Professional	Week- 1	Trauma, Primary Survey, Secondary survey and management. **LO (249)**
	Week- 2	Principles of Triage and poly trauma and disaster management. **LO (250)** Ventilator working, use, ICU care, monitoring criteria. **LO (251)**
	Week- 3	Burns types and management. **LO (252)**
	Week- 4	Fractures of Limbs & Joint injury. **LO (253)** Fractures of Spine and pelvis. **LO (254)**
	Week- 5	Head & cervical spine injury. **LO (255)**
	Week- 6	Maxillo facial injury. **LO (256)** Trauma of oral cavity, larynx, pharynx & neck. **LO (257)**
	Week- 7	Chest & Mediastinal trauma & esophagus injury. **LO (258)**
	Week- 8	Abdominal injury. **LO (259)** Pelvic organ injury with perineal injuries. **LO (260)**
	Week- 9	Revision **LO (261)**
	Week- 10	Congenital problems of face lips and palate. **LO (261)** Infections and tumors of bone. **LO (262-263)**
	Week-11	Metabolic diseases of bone diseases. **LO (264)**
	Week-12	**THEORY AND VIVA EXAMINATION**

Commencement of 8th Module		Weekly Schedule of Module VIII ORAL SURGERY
Activity	**Week**	**Lecture 1**
Academic Session – BDS Third Professional	Week- 1	Local Anesthesia 1 **LO (281-284)**
	Week- 2	Local Anesthesia 2 **LO (281-284)**
	Week- 3	Local Anesthesia 3 **LO (281-284)**
	Week- 4	Local Anesthesia 4 **LO (281-284)**
	Week- 5	Local Anesthesia 5 **LO (281-284)**
	Week- 6	Radiology 1 **LO (283-292)**
	Week- 7	Radiology 2 **LO (283-292)**
	Week- 8	Radiology 3 **LO (283-292)**
	Week- 9	Radiology 4 **LO (283-292)**
	Week- 10	Radiology 5 **LO (283-292)**
	Week-11	Radiology 6 **LO (283-292)**
	Week-12	**THEORY AND VIVA EXAMINATION**

MODULE IX

At the end of the module, students should be able to:

S.No		Teaching strategy	Assessment tool
	ORAL PATHOLOGY		
	Enumerate the inflammatory, metabolic and endocrine disorders of bone.	IL	BCQs/SAQs
	Enumerate the developmental disorders of bone.	IL	BCQs/SAQs
	Explain types and clinical features of osteogenesis imperfecta.	IL/SGD	BCQs/SAQs/ OSPE
	Identify the clinical slide of osteogenesis imperfecta.	PW	OSPE
	Describe the clinical features of marble bone disease (osteopetrosis).	IL/SGD	BCQs/SAQs
	Differentiate between cleidocranial dysplasia and achondroplasia.	IL	BCQs/SAQs/ OSPE
	Classify the fibro-osseous lesions.	IL	BCQs/SAQs/ OSPE
	Differentiate between monostotic and polyostotic fibrous dysplasia.	SGD	OSPE
	Identify the clinical picture of cleidocranial dysplasia.	PW	OSPE
.	Interpret the radiological features of fibrous dysplasia of maxilla on an OPG x-ray.	PW	OSPE
.	Discuss the clinical features of cherubism.	SGD	BCQs/SAQs
.	Discuss the radiographic features of cherubism	SGD	BCQs/SAQs
.	Explain the mechanism of healing of an extraction socket.	SGD	BCQs
.	Discuss briefly about dry socket.	SGD	BCQs
.	Define osteomyelitis. Describe its classification.	IL	BCQs/SAQs
.	Enumerate the metabolic and endocrine disorders of bone.	IL	BCQs/SAQs
.	Classify the tumors of bone.	IL	BCQs/SAQs
.	Recognize the clinical presentation of bony exostosis.	SGD	BCQs/SAQs
.	Discuss the types of giant cell lesions.	IL	SAQs
.	Discuss briefly the process of healing of extraction socket.	SGD	BCQs

.	Define the following terms: Attrition, abrasion, erosion and abfraction.	IL	BCQs/SAQs/ OSPE
.	Discus the causes of pathological attrition.	SGD	BCQs/OSPE
.	Classify the types of abrasion of teeth.	SGD	BCQs/OSPE
.	Describe the internal and external resorption of teeth.	SGD	SAQs
.	List the causes of discoloration of teeth	SGD	BCQs/SAQs
.	Classify the infective lesions of oral mucosa (bacterial, viral and fungal infections).	IL	BCQs/SAQs/ OSPE
.	Describe the clinical features and oral manifestations of tuberculosis.	IL	BCQs/SAQs
.	Describe the etiology and clinical features of acute necrotizing ulcerative gingivitis.	IL	BCQs/SAQs
.	Describe the types and oral manifestations of syphilis.	IL	BCQs/SAQs
.	Differentiate between acquired and congenital syphilis.	SGD	BCQs/SAQs
.	Discuss briefly about actinomycosis, leprosy and sarcoidosis.	IL	BCQs/SAQs
.	Describe the clinical features of herpetic gingivostomatitis.	SGD	BCQs/SAQs
.	Discuss the clinical features of herpes zoster.	IL	BCQs/SAQs
.	Classify oral candidosis. Discuss the clinical features of thrush and angular cheilitis.	IL	BCQs/SAQs/ OSPE
.	List the factors predisposing to oral candida infection	SGD	SAQs
.	Discuss the classification of oral candidosis	IL	SAQs
.	Identify clinical images and discuss its etiology and clinical presentation (MRG,AC, GT, Thrush)	SGD/PW	SAQs/OSPE
.	Enumerate the immune mediated oral diseases.	IL	BCQs/SAQs
.	Identify the clinical pictures of vesiculobullous disease	PW	OSPE
.	Discuss the types, etiopathogenesis, clinical and histological features of pemphigus.	IL	BCQs/SAQs
.	Describe the clinical and histological features of mucous membrane pemphigoid.	IL	SAQs/OSPE
.	Discuss the erythema multiforme.	IL	SAQs/OSPE
.	**PROFESSIONALISM AND ETHICS**		
	Demonstrate competencies in resolving ethical issues faced during common clinical scenarios.	SGD/PBL	OSCE

	To know the basic safety rules for laboratory & observed whenever working in a laboratory.	SGD	OSCE
	PATIENT'S SAFETY		
	Identify high risk situations and safety risks.	SGD	OSCE
	Perform proper handling and maintenance of patient care equipment.	SGD	OSCE
	Describe infection control, including aseptic technique, hand hygiene, screening and surveillance.	SGD /IL	OSCE/BCQ
	Describe injury prevention, handling and transfers, and removal of hazards.	SGD	OSCE
	Identify and respond to safety concerns raised by others.	SGD	OSCE
	Apply infection control procedures and processing of intra oral radiographs.	SGD	OSCE
	COMMUNICATION SKILLS		
	Use written record, electronic medical record or other digital technologies while communicating with supervisor and patient.	SGD	OSCE
	<u>PERIODONTOLOGY</u>		
.	Define furcation defect.	IL/SGD/CR	BCQs/SAQs/ OSCE
.	Discuss the diagnosis and indices of furcation defects.	IL/SGD/CR	BCQs/SAQs /OSCE
.	Describe various important factors involved in treatment and prognosis of furcation involvement.	IL/CR	BCQs/SAQs/ OSCE
.	Discuss the treatment of furcation defect	IL/SGD/CR	BCQs/SAQs /OSCE
.	Describe various surgical procedures used for treatment of teeth with furcation involvement.	IL/CR	BCQs/SAQs/ OSCE
.	Distinguish between various patterns of bone loss in periodontal disease.	IL	MCQs/SEQs/ OSCE
.	Describe Aggressive Periodontitis in detail.	IL/SGD/CR	MCQs/SEQs/ OSCE
.	Discuss the clinical features and radiographic findings of different types of aggressive periodontitis.	IL/SGD/CR	MCQs/SEQs/ OSCE
.	Define chronic periodontitis.	IL/SGD/CR	MCQs/SEQs/ OSCE
.	Discuss the etiology of chronic periodontitis.	IL/SGD/CR	MCQs/SEQs/ OSCE
.	Discuss the clinical features and radiographic signs of chronic periodontitis.	IL/SGD/CR	MCQs/SEQs/ OSCE

.	Differentiate between different types of chronic periodontitis.	IL/SGD/CR	MCQs/SEQs/OSCE
.	Discuss the treatment of aggressive and chronic periodontitis.	IL/SGD/CR	MCQs/SEQs/OSCE
.	Differentiate between aggressive periodontitis and chronic periodontitis.	IL/SGD/CR	MCQs/SEQs/OSCE
.	Explain the concept of GTR. (Guided Tissue Regeneration)	IL/SGD/CR	BCQs/SAQs/OSCE
.	Describe the surgical Procedures used for GTR along with clot stabilization, wound protection and space creation and types of materials used.	IL/CR	BCQs/SAQs/OSCE
.	Discuss the importance of Medical, Dental and Social history in periodontal diseases.	IL/SGD/CR	BCQs/SAQs
.	Discuss the importance of complete examination of oral cavity.	IL/CR	BCQs/SAQs
.	Discuss signs and symptoms for diagnosis of gingivitis and periodontitis.	IL/SGD/CR	BCQs/SAQs/OSCE
.	Discuss various techniques for plaque recognition.	IL/CR	BCQs/SAQs
.	Formulate treatment plan for patients with periodontal diseases, including counseling, motivation and oral hygiene instructions.	IL/SGD/CR	BCQs/SAQs
.	Discuss role and importance of topical and systemic chemotherapeutic agents in periodontology.	IL/SGD/CR	BCQs/SAQs
.	Define trauma from occlusion	IL/SGD/CR	BCQs/SAQs/OSCE
.	Differentiate between primary & secondary trauma from occlusion	IL/CR	BCQs/SAQs/OSCE
.	Discuss Clinical & Radiographic features of Trauma from occlusion	IL/CR	BCQs/SAQs/OSCE
.	Discuss the surgical methods to control dental plaque.	IL/CR	BCQs/SAQs
.	Describe indications and contraindications for following periodontal surgical procedures.	IL/SGD/CR	BCQs/SAQs
.	Define Gingival Curettage	IL/CR	BCQs/SAQs/OSCE
.	Define Gingivectomy	IL/CR	BCQs/SAQs/OSCE
.	Classify Periodontal flap surgeries.	IL/CR	BCQs/SAQs/OSCE

.	Describe Grafts used in periodontium.	IL/CR	BCQs/SAQs/ OSCE
.	Discuss Crown lengthening procedure	IL/CR	BCQs/SAQs/ OSCE
.	Describe the Indications of Frenectomy	IL/CR	BCQs/SAQs/ OSCE
.	Describe the various techniques of Vestibuloplasty/Splinting procedures	IL/CR	BCQs/SAQs
.	Describe the rationale for suturing in periodontal surgery.	IL/SG D/CR	BCQs/SAQs /OSCE
.	Describe the types of sutures.	IL/CR	BCQs/SAQs/ OSCE
.	Discuss various suturing techniques used in periodontal surgery.	IL/SG D/CR	BCQs/SAQs /OSCE
.	Classify Endodontic-Periodontal lesions.	IL/SG D/CR	MCQs/SEQs/ OSCE
.	Discuss the diagnosis of Endodontic-Periodontal lesions.	IL/SG D/CR	MCQs/SEQs/ OSCE
.	Discuss the treatment of Endodontic-Periodontal lesions.	IL/SG D/CR	MCQs/SEQs/ OSCE
.	Discuss the effects of following on periodontal health	IL	BCQs/SAQs
.	Describe the various Oral/Periodontal Manifestations of Diabetes mellitus	IL	BCQs/SAQs
.	Describe the various Oral/Periodontal Manifestations of Pregnancy	IL	BCQs/SAQs
.	Describe the various Oral/Periodontal Manifestations of Leukaemia	IL	BCQs/SAQs
.	Describe the various Oral/Periodontal Manifestations of Anaemia	IL	BCQs/SAQs
.	Describe the various Oral/Periodontal Manifestations of Vitamin deficiency	IL	BCQs/SAQs
.	Describe the various Oral/Periodontal Manifestations of AIDS	IL	BCQs/SAQs
.	Discuss the effects and management of following on periodontal health	IL	BCQs/SAQs
.	Discuss the effects of Mal-alignment on periodontal health	IL/CR	BCQs/SAQs
.	Discuss the effects of Crowding on periodontal health	IL/CR	BCQs/SAQs
.	Discuss the effects of Anterior open bite on periodontal health	IL/CR	BCQs/SAQs
.	Discuss the effects of Tongue thrusting on periodontal health	IL/CR	BCQs/SAQs

.	Discuss the effects of Thumb sucking on periodontal health	IL/CR	BCQs/SAQs
.	Discuss the effects of Mouth breathing on periodontal health	IL/CR	BCQs/SAQs
.	Discuss the effects of Orthodontic treatment on periodontal health	IL/CR	BCQs/SAQs
.	Discuss the effects of Dental restorations on periodontal health	IL/CR	BCQs/SAQs
0.	Discuss the effects of Removable dentures on periodontal health	IL/CR	BCQs/SAQs
1.	Define Splinting.	IL	MCQs, SEQs
2.	Enlist the aims of splinting.	IL	MCQs, SEQs
3.	Discuss the requirements of splinting.	IL	MCQs, SEQs
4.	Discuss the indications of splinting.	IL	MCQs, SEQs
5.	Classify different types of splints with examples.	IL	MCQs, SEQs
6.	**PROFESSIONALISM AND ETHICS**		
	Apply ethical decision-making in all interactions with patients and their families, colleagues and other health care professionals.	CR	OSCE
	Demonstrate Competencies in avoiding potential ethical conflicts with pharmaceutical and other health industry providers.	CR	OSCE
	Differentiate between justice and equality.	SGD	SAQ
	Demonstrate competencies in resolving ethical issues faced during common clinical scenarios.	CR	OSCE
	PATIENT'S SAFETY		
	Identify high risk situations and safety risks.	CR	OSCE
	Describe approaches and processes associated with risk management.	CR	OSCE
	Perform proper handling and maintenance of patient care equipment.	CR	OSCE
	Describe infection control, including aseptic technique, hand hygiene, screening and surveillance.	CR	OSCE/BCQ
	Describe injury prevention, safe patient transport, handling and transfers, and removal of hazards.	CR	OSCE
	Identify and respond to safety concerns raised by others.	CR	OSCE
	Apply infection control procedures and processing of intra oral radiographs.	SGD	OSCE
	COMMUNICATION SKILLS		
	Demonstrate effective learning, verbal and written communication skills.	CR	OSCE
	Use effective and efficient communication and management strategies.	CR	OSCE

	Use written record, electronic medical record or other digital technologies while communicating with supervisor and patient.	SGD	OSCE
	Demonstrate competency in establishing a therapeutic and professional relationship with patients and their families.	CR	OSCE
	Demonstrate competency in using patient-centered interviewing skills in gathering biomedical and psychological information.	CR	OSCE
	ORAL MEDICINE		
7.	Discuss the frequency and causative factors of salivary calculi among major salivary gland	IL	SAQs/ Viva
8.	List clinical features of salivary gland obstruction	IL	SAQs/ OSCE
9.	Outline the management of salivary gland obstruction.	IL/ SGD	SAQs
0.	List various causes of salivary gland infections	IL/ SGD	BCQs/SAQs
1.	Discuss causes, clinical features and management of viral sialadenitis.	IL/ SGD	BCQs/ SAQs
2.	Discuss causes, clinical features and management of bacterial sialadenitis.	IL/ CBL	BCQs/ SAQs
3.	List the causes of xerostomia.	IL/ CBL	BCQs/SAQs/ OSCE
4.	Differentiate between primary and secondary Sjogren's syndrome.	IL/ CBL	SAQs/ Viva
5.	Discuss clinical features of Sjogren's syndrome.	IL/ CBL	SAQs/ Viva
6.	Discuss the investigations and management of Sjogren's syndrome	IL/ CBL	BCQs/ SAQs
7.	Enumerate the causes of pigmented lesions in oral cavity.	IL/ SGD	BCQs
8.	Differentiate racial pigmentation from other pigmented lesions of oral cavity..	IL/ SGD	SAQs/ CQ
9.	Enumerate the clinical features of Peutz-Jehgers syndrome.	IL/ SGD	CQ/ OSCE
0.	Classify salivary gland tumors	IL/ SGD	SAQs
1.	Discuss clinical presentation and investigations for pleomorphic adenoma.	IL/ SGD/CBL	SAQs/ OSCE
2.	Enumerate the causes of sialadenosis.	IL	SAQs/ OSCE
3.	List and discuss various causes of halitosis	IL	SAQs/ OSCE
4.	Describe various modalities used for diagnosing halitosis.	IL	BCQs/ SAQs
5.	Discuss the management of halitosis.	IL	SAQs/Viva

6.	Discuss the diagnosis and management of anaphylactic shock during dental treatment.	IL	SAQs/ OSCE
7.	Discuss various drug interactions among commonly used drugs in dental practice.	IL	CQ
8.	Lists various local and systemic conditions that influences taste perception.	SGD	CQ
9.	Discuss the importance of healthy nutrition in maintaining oral health.	IL/ SGD	BCQs/ CQ
0.	Discuss the management for cardiac patients during dental treatment	IL/ SGD/ CR	SAQs/ OSCE
1.	Discuss the oral effects of drugs used by cardiac patients.	IL/ SGD	BCQs/ CQ
2.	Identify the role of antibiotic prophylaxis for prevention of infective endocarditis in dental patients.	IL/ SGD	SAQs/ CQ
3.	Enumerate the causes of hypersensitivity among dental patients.	IL/ SGD/ CR	SAQs/ OSCE
4.	Discuss the management of asthmatic patient during dental treatment.	IL/ SGD/ CR	SAQs/ OSCE
5.	Discuss the management of patient with COPD during dental treatment.	IL/ SGD/ CR	SAQs/ OSCE
6.	Identify the features of tooth/root displacement into the upper or lower respiratory tract.	IL/ SGD/ CR	SAQs/ OSCE
7.	Identify the causes of oro-antral communication	IL	SAQs/ OSCE
8.	Discuss the principles of management of root displaced in maxillary antrum.	IL/ SGD	SAQs/ OSCE
9.	Define orofacial granulomatosis.	IL	SAQs
0.	Discuss various oral manifestations of gastrointestinal tract diseases	IL	SAQs
1.	Identify and discuss oral manifestations of Crohn’s disease and their management	IL	SAQs
2.	Discuss the modes of transmission for viral hepatitis.	IL/ CR	SAQs/ OSCE
3.	Discuss the important aspects of various liver diseases relevant to dentistry	IL/ CP	BCQs
4.	Discuss hazards to dental staff and other patients from Hepatitis B/C patient	IL/CR	SAQs/ Viva
5.	Interpret various serological studies involved in screening Hepatitis patients.	IL/CR	CQ/ Viva

6.	Discuss the basic precautionary measures for prevention of viral hepatitis.	IL	SAQs/ Viva
7.	Discuss various aspects of renal diseases which can affect treatment in dental patient.	IL	CQ
8.	Identify the role of sterilization in preventing communicable diseases.	IL	SAQs/ CQ
9.	Discuss the protocol of dental treatment in patients undergoing Hemo-dialysis.	IL	SAQs/ CQ
0.	Discuss the effects of pregnancy on oral health.	IL	BCQs/ CQ
1.	Discuss the management considerations during dental treatment of pregnant patient.	IL	BCQs/ CQ
2.	Enumerate the drugs that can be safely prescribed in pregnant patients.	IL	BCQs/ CQ
3.	Identify possible hazards to fetus from various dental procedures and medications.	IL	BCQs/ CQ
4.	Define Anemia	IL	SAQs/ Viva
5.	Enlist the clinical features of anemia	IL/ CBL	SAQs/ Viva
6.	Discuss the important features of anemia in dentistry and their management.	IL/ CBL	SAQs/ Viva
7.	Discuss the dental aspects of sickle cell disease and their management	IL	SAQs/ Viva
8.	Identify the effects of acute leukemia and their management.	IL	SAQs/ Viva
9.	Discuss various bleeding disorders and their causes.	IL/ CBL	BCQs/SAQs/ OSCE
0.	Discuss the causes of various clotting disorders.	IL	BCQs/SAQs/ OSCE
1.	Discuss the types and causes of hemophilia.	IL	BCQs/SAQs
2.	Discuss the principles of dental management of patient with hemophilia	IL/ CBL	BCQs/SAQs
3.	Discuss the effects of anticoagulant therapy on dental treatment	IL	BCQs
4.	Discuss the management of dental patient taking anticoagulant therapy.	IL	BCQs/ SAQs
5.	Discuss the importance of INR in dental extractions and oral surgical procedures	IL/CR	SAQs
6.	Discuss the management of prolonged bleeding during oral surgical procedures	IL/CR	SAQs/ Viva

7.	Discuss oral manifestations and their management in HIV patients.	IL/SGD	SAQs/ Viva
8.	Discuss oral manifestations and their management in patients with syphilis.	IL/SGD	SAQs
9.	**PROFESSIONALISM AND ETHICS**		
	Demonstrate skills in introducing himself/ herself to the patient before history taking	SGD	OSCE/VIVA
	Take informed consent from the patient before commencing treatment.	SGD	OSCE/VIVA
	Demonstrate the professional attributes of a learner, colleague and physician in training.	SGD	OSCE/VIVA
	Describe the basic principles of ethics with reference to social, cultural and religious perspectives.	SGD	OSCE/VIVA
	COMMUNICATION SKILLS		
	Demonstrate positive gestures to the patient.	SGD	OSCE/VIVA
	Demonstrate competency in preparing and delivering high impact presentations	SGD	OSCE/VIVA
	ORAL SURGERY		
0.	Inquire about symptoms and history of the presenting complaint	IL	BCQs
1.	Perform thorough History and Examination.	IL/ CR	OSCE
2.	Diagnose pattern & ways of making tentative diagnosis.	IL/ CR	OSCE
3.	Discuss different treatment modalities for various common conditions seen in oral surgery.	IL/CR	OSCE
4.	List different methods of Sterilization and their relevance to OMFS.	IL	BCQs
5.	Identify various Instruments used in Oral Surgery	CR	OSCE
6.	Discuss the Principles of Oral Surgery	IL	BCQs
7.	Discuss types of incisions & flaps	IL	CQ
8.	Identify methods of tissue handling	IL	CQ
9.	Define Hemostasis	IL	CQ
0.	Identify types of hemorrhage along with its management.	IL	CQ
1.	Implement Pre & Post-Operative Care	CR	OSCE
2.	Discuss the hazards of cross-infection and its prevention	IL	BCQs/SAQs

3.	List types of Local Anesthesia and recall their pharmacology.	IL/ CP	CQ
4.	Identify different indications and contra-indications of using Local anesthesia.	IL/ CP	CQ
5.	Discuss techniques of administration of Local anesthesia.	IL/CR	OSCE
6.	Describe complications of local anesthesia and its management.	IL/CR	OSCE
7.	Describe the principles of Exodontia.	IL	SAQs
8.	Identify the armamentarium used for Exodontia	CR	OSCE
9.	List the indications and contraindications of removal of teeth.	IL	BCQs/ SAQs
0.	Discuss the procedure for Simple & Complex Exodontia.	IL/CR	SAQs
1.	Describe the complications of extraction along with its management.	IL	SAQs/ OSCE
2.	List post-op instructions	IL/ CR	OSCE
3.	Discuss the prevention and management of Medical Emergencies	IL	CQ
4.	Evaluate Life threatening Emergencies in Dental Office	IL	BCQs/OSCE
5.	Describe guideline for prevention and management of various Medical Emergencies	IL	CQ
6.	Discuss the significance of General Anesthesia and Sedation in Dentistry	IL	CQ
7.	Enumerate the indications of General Anesthesia & Sedation in children, adults and geriatric patients	IL	CQ
8.	Discuss Conscious Sedation & its types	IL	CQ
9.	Describe the significance of IV Sedation, Oral Sedation, Inhalation Sedation in Dentistry	IL	CQ
0.	Define impacted teeth	IL	SAQs
1.	Classify impacted teeth	IL	SAQs/ OSCE
2.	Describe the Indications and contra-indications of wisdom tooth surgery.	IL/CR	CQ
3.	Discuss various surgical techniques.	IL/CR	SAQs
4.	Discuss the complications of surgery and its management.	IL	CQ
5.	Define exodontia	IL/CR	CQ
6.	List the Indications and contra-indications of exodontia	IL/CR	CQ
7.	Enumerate the principles and application of forceps extraction	CR	OSCE

8.	Discuss the steps for surgical removal of erupted/broken down teeth.	CR	OSCE
9.	List the complications of extraction.	IL	SAQs
0.	Discuss the significance of consent taking before initiating dental procedure	CR	OSCE
1.	Identify Oro-antral communication and its causes	IL	BCQs/ SAQs
2.	List ways to manage post-operative bleeding	IL	SAQs/OSCE
3.	**PROFESSIONALISM AND ETHICS**		
	Apply ethical decision-making in all interactions with patients and their families, colleagues and other health care professionals.	CR	OSCE
	Demonstrate Competencies in avoiding potential ethical conflicts with pharmaceutical and other health industry providers.	CR	OSCE
	Differentiate between justice and equality.	SGD	SAQ
	Demonstrate competencies in resolving ethical issues faced during common clinical scenarios.	CR	OSCE
	PATIENT'S SAFETY		
	Identify high risk situations and safety risks.	CR	OSCE
	Describe approaches and processes associated with risk management.	CR	OSCE
	Perform proper handling and maintenance of patient care equipment.	CR	OSCE
	Describe infection control, including aseptic technique, hand hygiene, screening and surveillance.	CR	OSCE
	Describe injury prevention, safe patient transport, handling and transfers, and removal of hazards.	CR	OSCE
	Identify and respond to safety concerns raised by others.	CR	OSCE
	Apply infection control procedures and processing of intra oral radiographs.	SGD	OSCE
	COMMUNICATION SKILLS		
	Demonstrate effective learning, verbal and written communication skills.	CR	OSCE
	Use effective and efficient communication and management strategies.	CR	OSCE
	Use written record, electronic medical record or other digital technologies while communicating with supervisor and patient.	SGD	OSCE
	Demonstrate competency in establishing a therapeutic and professional relationship with patients and their families.	CR	OSCE
	Demonstrate competency in using patient-centered interviewing skills in gathering biomedical and psychological information.	CR	OSCE

	GENERAL MEDICINE		
4.	Discuss the common disorders of the thyroid, parathyroid, pituitary and adrenal glands; its clinical manifestations, investigation and their management.	IL/SGD	BCQs/SAQs/ OSCE
5.	Discuss the common causes of metabolic bone diseases and its management.	IL	BCQs/SAQs/ OSCE
6.	Describe the different types of hematological disorders.	IL	BCQs/SAQs/ OSCE
7.	Understands the classification and causes of anemia and how to investigate and manage anemia.	IL/SGD	BCQs/SAQs/ OSCE
8.	Differentiate between acute and chronic leukemia.	IL	BCQs/SAQs/ OSCE
9.	Describe the different causes of thrombocytopenia and bleeding disorders and its management.	IL	BCQs/SAQs/ OSCE
0.	Describe the types of Lymphomas (Classification, Clinical features and Treatment).	IL	BCQs/SAQs/ OSCE
1.	Describe the types of Myeloproliferative disorders (Classification, Clinical features and Treatment).	IL	BCQs/SAQs/ OSCE
2.	Describe and investigate different types of bacterial and viral infections.	IL	BCQ/SAQ/OS CE
3.	Diagnose viral infections with emphasis on: COVID-19, herpes simplex, herpes zoster, influenza, bird flu, dengue, hemorrhagic fever and currently prevalent viruses.	IL	BCQ/SAQ/OS CE
4.	Discuss various types of viral infections and how to manage them.	IL	BCQ/SAQ/OS CE
5.	Describe the types, clinical features, evaluation and treatment of malaria.	IL/ SGD	BCQ/SAQ/OS CE
6.	Recognize different Helminthic infections and can treat the infestations.	IL	BCQ/SAQ/OS CE
7.	Discuss the clinical features, evaluation and treatment of HIV and AIDS.	IL	BCQ/SAQ/OS CE
8.	Discuss the approach to a patient with meningitis and encephalitis, its investigations and treatment.	IL	BCQs/SAQs/ OSCE
9.	Discuss different causes of headache and how to investigate a patient with headache and its management.	IL/SGD	BCQs/SAQs/ OSCE
0.	Describe the characteristic features, differential diagnosis and management of cerebrovascular disease.	IL/SGD	BCQs/SAQs/ OSCE

1.	Discuss the clinical manifestations, classification, differential diagnosis and management of epilepsy.	IL/SGD	BCQs/SAQs/ OSCE
2.	Describe the clinical features and management of disabling neurological conditions such as Parkinson's disease, multiple sclerosis and motor neuron disease.	IL/SGD	BCQs/SAQs/ OSCE
3.	Recognize the clinical features of eczema and psoriasis.	IL	BCQ/SAQ/OSCE
4.	Recognize fungal and viral infections of skin and its management.	IL	BCQ/SAQ/OSCE
5.	Discuss the skin manifestation of systemic diseases	IL	BCQ/SAQ/OSCE
6.	Recognize erythema nodosum and the conditions with which it is associated.	IL	BCQ/SAQ/OSCE
7.	Discuss various types of psychiatric disorders clinical features, evaluation and treatment	IL	BCQ/SAQ/OSCE
8.	Describe the types of environmental disorders ; their clinical manifestations and management	IL/SGD	BCQs/SAQs/ OSCE
9.	**PROFESSIONALISM AND ETHICS**		
	Apply ethical decision-making in all interactions with patients and their families, colleagues and other health care professionals.	CR	OSCE
	Differentiate between justice and equality.	IL	SAQs
	PATIENT'S SAFETY		
	Identify high risk situations and safety risks	CR	OSCE
	Describe approaches and processes associated with risk management.	CR	OSCE
	COMMUNICATION SKILLS		
	Demonstrate effective learning, verbal and written communication skills.	CR	OSCE
	Demonstrate competency in using patient-centered interviewing skills in gathering biomedical and psychological information.	CR	OSCE
	GENERAL SURGERY		
0.	Differentiate the abdominal pain in various quadrants according to underlying viscera	IL/CR/CBL	BCQs/SAQs/ OSCE
1.	Discuss various upper GI symptoms to common diseases	IL	BCQs/SAQs
2.	Describe features of upper intestinal obstruction (esophageal and stomach) and management	IL	BCQs/SAQs/ OSCE

3.	Diagnose perforation of Abdominal Viscera and understand D/D and S/S of peritonitis.	IL/SGD/CR	BCQs/SAQs/ OSCE
4.	Describe D/D of bleeding PR and anal area.	IL	BCQs/SAQs
5.	Describe common lesions of large gut	IL/CR/CBL	BCQs/SAQs/ OSCE
6.	Describe Appendicitis, complications d/d	IL/CR	BCQs/SAQs
7.	Describe gall stone problems, complications Diagnosis and management	IL/CR/CBL	BCQs/SAQs
8.	Discuss Obstructive Jaundice and pancreatic cancer	IL/CR	BCQs/SAQs/ OSCE
9.	Diagnose liver masses	IL/CR	BCQs/OSCE
0.	Diagnose the role of spleen and Lymphadenopathy in various diseases	IL	BCQs/SAQs
1.	Manages empyemia thoracis and lung abscess	IL/CR	BCQs/SAQs/ OSCE
2.	Diagnose d/d of haematuria, Urine d/r its features	IL/CR/CBL	BCQs/SAQs/ OSCE
3.	Manage Obstructive uropathy	IL	BCQs/SAQs
4.	Manage urological calculous disease	IL/SGD	BCQs/SAQs/ OSCE
5.	Differentiate ventral hernia, S/S and complications	IL/SGD/CR	BCQs/SAQs/ OSCE
6.	List the D/d of scrotal swellings	IL/SGD	BCQs/SAQs/ OSCE
7.	Identify arterial complications and management	IL/SGD	BCQs/SAQs/ OSCE
8.	Describe the Risk factors of DVT, Varicose veins & venous insufficiency and their management	IL/SGD	BCQs/SAQs
9.	**PROFESSIONALISM AND ETHICS**		
	Describe basic principles of ethics with reference to social, cultural and religious perspective.	SGD	BCQs
	Discuss the role of doctor in community & Duties of a doctor.	SGD	BCQs
	PATIENT'S SAFETY		

	Demonstrate competency in using patient-centered interviewing skills in gathering biomedical and psychological information.	Role play	OSCE
	Demonstrate competency in seeking and developing relevant information from other sources, including the patient's family, with patient's consent.	Role play	OSCE
	COMMUNICATION SKILLS		
	Demonstrate competency in communicating effectively with patients.	Role Play	OSCE
	Use effective and efficient communication and management strategies	Role Play	OSCE
	Communicate in a manner that is respectful of and sensitive to the patient's and family's age, orientation, culture and beliefs	CR	OSCE
Behavioral Sciences			
0.	**History Taking and Interviewing**		
	Shift from a provider-centric to a patient-centered approach in communication.	Clinical Practices & SGD	OSCE
	Incorporate patient preferences and values into the history-taking process.	Clinical Practices & SGD	OSCE
	Understand the ethical considerations involved in collecting and handling patient information.	Clinical Practices & SGD	OSCE
	Maintain confidentiality and privacy in the history-taking process.	Clinical Practices & SGD	OSCE
1.	**Dentist-Patient Relation**		
	Identify strategies for managing patient anxiety and fear in the dental setting.	Clinical Practices & SGD	OSCE
	Implement techniques to create a calming and supportive environment for patients.	Clinical Practices & SGD	OSCE
	Understand the impact of cultural factors on dentist-patient interactions.	Clinical Practices & SGD	OSCE
	Develop cultural competence to enhance communication and build rapport with patients from diverse backgrounds.	Clinical Practices & SGD	OSCE

	Understand the ethical considerations involved in the dentist-patient relationship.	Clinical Practices & SGD	OSCE
	Recognize the importance of respecting patient autonomy, informed consent, and confidentiality.	Clinical Practices & SGD	OSCE
2.	**Ethics**		
	Demonstrate the ability to work ethically within a multidisciplinary healthcare team.	Clinical Practices & SGD	OSCE
	Understand the legal ramifications of inadequate or absent informed consent documentation.	Clinical Practices & SGD	OSCE
	Recognize special considerations for obtaining informed consent in vulnerable populations..	Clinical Practices & SGD	OSCE
	Understand the importance of continuous communication throughout the treatment process.	Clinical Practices & SGD	OSCE
	Analyze how Islamic ethics intersect with professional responsibilities in dentistry.	Clinical Practices & SGD	OSCE
3.	**Leadership and Management**		
	Identify various leadership styles applicable to dental practice.	SGD	MCQs
	Analyze the effectiveness of different leadership styles in different dental settings.	SGD	MCQs
	Identify opportunities for ongoing professional development in dental leadership.	SGD	MCQs
	Understand the impact of unresolved conflict on team dynamics and patient care.	SGD	MCQs
	Develop skills in conflict resolution and negotiation.	Clinical Practices & SGD	OSCE
	Understand the importance of teamwork in the dental office.	Clinical Practices & SGD	OSCE
	Develop strategies for fostering a positive and collaborative team culture.	Clinical Practices & SGD	OSCE
	Foster an environment where each team member feels valued and contributes to the overall success of the practice.	Clinical Practices & SGD	OSCE

Commencement of 9th Module		Weekly Schedule of Module IX ORAL PATHOLOGY	
Activity	**Week**	**Lecture 1**	**Lecture 2**
Academic Session – BDS Third Professional	Week- 1	Classify inflammatory, metabolic and endocrine disorders of bone and Genetic disorders of bone I **LO (1-6, 9,11-12)**	Genetic disorders of bone II **LO (9,11-12)**
	Week- 2	Fibrous Dysplasia **LO (7-8, 10)**	Metabolic & Inflammatory disorders of bone **LO (14-16)**
	Week- 3	Tumors of bone **LO (17)**	Wound Healing **LO (13, 20)**
	Week- 4	**CAT**	Non-Bacterial loss of Tooth substance I **LO(21-22)**
	Week- 5	Non-Bacterial loss of Tooth substance II **LO (23-25)**	Classify infections of oral mucosa and Bacterial infections I **LO (26-28)**
	Week- 6	Bacterial infections II **LO(29-31)**	Viral infections **LO (32-33)**
	Week- 7	Fungal infections **LO(34-37)**	Immunology I **LO(39-40)**
	Week- 8	Immunology II **LO(41-42)**	**CAT**
	Week- 9	**CME on Ameloblastoma**	Revision
	Week- 10	Revision	Revision
	Week-11	Revision	Revision
	Week-12	**THEORY AND VIVA EXAMINATION**	

Commencement of 9th Module		Weekly Schedule of Module IX PERIODONTOLOGY
Activity	**Week**	**Lecture 1**
Academic Session – BDS Third Professional	Week- 1	Furcation Involvement & Patterns Of Bone Destruction in Periodontal Disease. **LO (44-49)**
	Week- 2	Aggressive Periodontitis & Chronic Periodontitis **LO (50-57)**
	Week- 3	Guided Tissue Regeneration **LO (58-59)**
	Week- 4	Diagnosis Of Cause Related Disease **LO (60-65)**
	Week- 5	Trauma From Occlusion **LO (66-68)**
	Week- 6	Re-evaluation Of Cause Related Disease **LO (69-77)**
	Week- 7	Periodontal Dressing & Sutures **LO (78-80)**
	Week- 8	Endodontic – Periodontal Lesions **LO (81-83)**
	Week- 9	Periodontal Treatment Of Medically Compromised Patients **LO (84-90)**
	Week- 10	Occlusal Analysis & Periodontal Splinting. **LO (91-105)**
	Week- 11	OSCE Revision
	Week- 12	**THEORY AND VIVA EXAMINATION**

Commencement of 9th Module		Weekly Schedule of Module IX ORAL MEDICINE
Activity	**Week**	**Lecture 1**
Academic Session – BDS Third Professional	Week- 1	Pigmented Lesions I **LO (98-100)**
	Week- 2	Pigmented Lesions II **LO (98-100)**
	Week- 3	Salivary gland disorder **LO (88- 97)**
	Week- 4	Salivary gland tumor **LO (101-106)**
	Week- 5	Oral manifestations of systemic disease and their management (Cardiac) **LO (107-113)**
	Week- 6	Oral manifestations of systemic disease and their management (Respiratory) **LO (114-119)**
	Week- 7	Oral manifestations of systemic disease and their management (Renal), (G.I.T.) **LO (120-130)**
	Week- 8	Oral manifestations of systemic disease and their management (Endocrine) **LO (131-144)**
	Week- 9	Oral manifestations of systemic disease and their management (Hematological) **LO (145-149)**
	Week- 10	CAT
	Week-11& 12	**THEORY AND VIVA EXAMINATION**

Commencement of 9th Module		Weekly Schedule of Module IX ORAL SURGERY
Activity	**Week**	**Lecture 1**
Academic Session – BDS Third Professional	Week- 1	Medical Emergencies 1 **LO (176-177-176)**
	Week- 2	Medical Emergencies 2 **LO (176-177-176)**
	Week- 3	Medical Emergencies 3 **LO (176-177-176)**
	Week- 4	Medical emergencies 4 **LO (176-177-176)**
	Week- 5	Medical Emergencies 5 **LO (176-177-176)**
	Week- 6	Basic principles of oral surgery 1 **LO (159-160-161--164--195)**
	Week- 7	Basic principles of oral surgery 2 **LO (159-160-161--164--195)**
	Week- 8	Basic principles of oral surgery 3 **LO (159-160-161--164--195)**
	Week- 9	Basic principles of oral surgery 4 **LO (159-160-161--164--195)**
	Week- 10	Simple Exodontia 1 **LO (170--175,188--192)**
	Week-11	Simple Exodontia 2 **LO (170--175,188--192)**
	Week-12	**THEORY AND VIVA EXAMINATION**

Commencement of 9th Module		Weekly Schedule of Module IX GENERAL MEDICINE	
Activity	**Week**	**Lecture 1**	**Lecture 2**
Academic Session – BDS Third Professional	Week- 1	Thyroid disorders **LO (197)**	Parathyroid gland disorders **LO (197)**
	Week- 2	Pituitary gland disorders **LO (197)**	Adrenal gland disorders **LO (197)**
	Week- 3	Metabolic bone disorders **LO (198)**	Anemia **LO (200)**
	Week- 4	Headache **LO (212)**	Thrombocytopenia **LO (202)**
	Week- 5	Cerebrovascular disease **LO (213)**	Lymphomas and leukaemia **LO (201, 203)**
	Week- 6	Epilepsy **LO (214)**	Myeloproliferative disorders **LO (204)**
	Week- 7	Parkinson's disease, multiple sclerosis and motor neuron disease. **LO (215)**	Approach to fever and fever of unknown origin. **LO (205)**
	Week- 8	Meningitis and encephalitis **LO (211)**	Common Bacterial infections- (typhoid) and Viral infections - (dengue, COVID) **LO (206-207)**
	Week- 9	Dermatology 1 **LO (216-217)**	Fungal infections and Parasitic infections **LO (209)**
	Week- 10	Dermatology 2 **LO (218-219)**	Malaria **LO (208)**
	Week-11	Psychiatric disorders 1 **LO (220)**	HIV and AIDS **LO (210)**
	Week-12	**THEORY AND VIVA EXAMINATION**	

Commencement of 9th Module		Weekly Schedule of Module IX GENERAL SURGERY
Activity	**Week**	**Lecture 1**
Academic Session – BDS Third Professional	Week- 1	Acute Abdomen. **LO (223)**
	Week- 2	Upper GI symptoms and causes, dysphagia causes. **LO (224)** Intestinal obstruction. **LO (225)**
	Week- 3	Peritonitis, perforation. **LO (226)**
	Week- 4	Bleeding P/R, anal region, rectum and colon. **LO (227)** Common specific lesions of lower GIT (amebiasis, TB, CA). **LO (228)**
	Week- 5	Appendicitis, D/D and management. **LO (229)**
	Week- 6	Cholelithiasis, Complications, management and causes. **LO (230)** Obstructive Jaundice & Pancreatic lesions. **LO (231)**
	Week- 7	Liver, mass lesions, abscess, Hydatid disease and tumors. **LO (232)**
	Week- 8	Spleen and Lymphadenopathy**.** **LO (233)** Empyema thoracis and lung abscess. **LO (234)**
	Week- 9	UTI, Haematuria, BPH. **LO (235-236)**
	Week- 10	Calculous diseases of Urinary Tract. **LO (237)** Ventral wall Hernia and Inguinal hernia. **LO (238)**
	Week-11	Inguino scrotal, scrotal swellings & D/D**.** **LO (239)**
	Week-12	**THEORY AND VIVA EXAMINATION**

Learning Resources

ORAL PATHOLOGY

RECOMMENDED BOOKS

1. J V Soames, J C Southam, Textbook of Oral Pathology, 5th Edition
2. R A Cawson, E W Odell, Essentials of Oral Pathology and Oral Medicine, 8th Edition
3. Shafer, Hine, Levy, Textbook of Oral Pathology, 6th Edition
4. Regezi, Oral Pathology, 6th Edition
5. Neville, Damm, Oral and Maxillofacial Pathology, 3rd Edition.

RECOMMENDED E-BOOKS

1. Atlas of Oral Microbiology by Zhou
2. Oral Pathology Clinical Pathologic Correlation by Regezi
3. Oral Pathology by Soames, 4th edition.
4. Oral Radiology by Eric Waites

PERIODONTOLOGY

RECOMMENDED BOOKS

1. Neman and Carranza's Clinical Periodontology 13th edition.
2. Linda's Clinical Periodontology and Implant Dentistry.
3. Shanti Priya Reddy, Essentials of Clinical Periodontology & Periodontics 5th

RECOMMENDED E-BOOKS

1. Clinical periodontology Implant Dentistry by Lindhe

ORAL MEDICINE

RECOMMENDED BOOKS

1. William R.Tyldesley, Oral Medicine, 5th Edition
2. Lester W. Burket, Oral Medicine, 11th Edition
3. Roderick A.Cawson, Oral Medicine, 8th Edition
4. Crispian Scully, Oral Medicine, 3rd Edition

RECOMMENDED E-BOOKS

1. Text Book of Oral Medicine ,Oral Diagnosis and Oral Radiology by Ongole

OPERATIVE DENTISTRY

RECOMMENDED BOOKS

1. Joseph R Evans, John H Wilke. Atlas of Operative Dentistry: Preclinical and clinical procedures. Quintessence books Publishing Co.
2. Richard L Kahn, Pinkerton RJ, Kagihara LE. Fundamentals of Preclinical Operative Dentistry. www.bookdepository.co.uk
3. The Art & Science of Operative Dentistry by Sturdevant.
4. Pickard's Manual of Operative Dentistry by EAM Kidd.
5. Fundamentals of Operative Dentistry by Schwartz
6. Dental Restorative Materials – Craig
7. Textbook of Operative Dentistry by Vimal K Sikri

PROSTHODONTICS

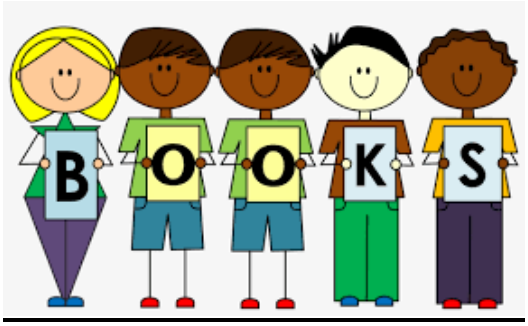
RECOMMENDED BOOKS

1. Carr, McCracken's Removable Partial Prosthodontics, 12th Edition
2. Phoenix, Stewart's Clinical Removable Partial Prosthodontics, 4th Edition

RECOMMENDED E-BOOKS

1. A Guide to Complete Denture Prosthetics
2. Prosthodontics at Glance by Irfan Ahmed
3. Fixed Removal Prosthodontics (color guide) by C.W.Barcaly
4. Fundamentals of fixed Prosthodontics by Shillingburg

ORAL MAXILLOFACIAL SURGERY



RECOMMENDED BOOKS

- James, Contemporary Oral & Maxillofacial Surgery, 7th Edition
- Mitchell, An Introduction to Oral & Maxillofacial Surgery, 1st Edition
- Laskin, Oral & Maxillofacial Surgery, 1st Edition
- Singh, Atlas of Oral Implantology, 3rd Edition
- Norman, Differential Diagnosis of Oral & Maxillofacial Lesions, 5th Edition



RECOMMENDED E-BOOKS

- Oral & Maxilllofacial Surgery Secrets by Omar Abubakar
- Oral Radiology by White
- Textbook of Dental & Maxillofacial Radiology
- Oral & Maxillofacial Surgery

GENERAL MEDICINE

RECOMMENDED BOOKS

1. Parveen Kumar, Kumar and Clark's Clinical Medicine, 8th Edition

2. Maxine A Papadakis, Current Medical Diagnosis and Treatment, Edition 2016

GENERAL SURGERY

RECOMMENDED BOOKS

1. Short Practice of Surgery by Bailey & Love. 27th Edition
2. An Introduction to the Symptoms & Signs of Surgical Diseases by Norman S Bros
3. Manual of Clinical Surgery by S. Das