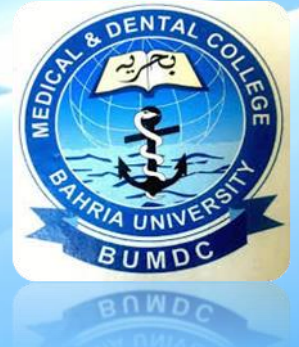




# BAHRIA UNIVERSITY DENTAL COLLEGE BUHSC-(K)



**Third Year BDS  
Batch 8  
STUDY GUIDE**

**Prof Wahab Kadri**

BDS, FCPS

Consultant Oral and Maxillofacial Surgeon

Principal,

BUDC



Bahria University Dental College (BUDC) since its inception has evolved as an exceptionally outstanding facility to provide quality education and dental treatment to the community.

I must appreciate the hard work of our well experienced and dedicated faculty members and staff in maintaining high standards of medical & dental education and the efforts they have put in Bahria University Health Sciences (BUHS) to be a distinguished center of excellence.

By the grace of Almighty, we are inducting the tenth batch of BDS this year. Since the establishment of dental college, we have been working constantly to upgrade services and facilities at BUHS campus and the attached PNS Shifa hospital for our students and patients.

We would like our graduates to excel as confident, responsible, and self-learning dental and medical practitioners.

All the best for your stay at BUDC and future endeavors.

## MESSAGE FROM THE DESK OF VICE PRINCIPAL

**Dr. Kulsoom Fatima Rizvi**

BSc, BDS, MSc. (London) DDPHRCs (Eng.)

Vice Principal

BUDC



Dear students,

The evolutionary fields of Medicine and Dentistry call for continuous learning and persistence on behalf of the clinician. My goal as Vice Principal is to provide the leadership that will facilitate Dental College to provide the best possible academic guidance to meet the needs of students and patients to the best of our ability. Through a close partnership with faculty members and parents, I am confident we can make our college a place where our students can continue to grow academically and socially for life in the 21<sup>st</sup> Century.

We, at Bahria University Dental College, are committed to transform our students into dental surgeons who are life-long learners, who can lead fearlessly and selflessly, and are compassionate and impregnated with a deep sense of commitment towards humanity.

We meet international standards of professional education by installing the system of integrated curriculum, interdisciplinary and thematic teaching of basic and clinical sciences. We advocate interactive sessions to improve comprehension of students as well as training them with skills of communication and self-expression.

We provide our students with a stimulating environment for undertaking research projects in their undergraduate years to build a strong basis for their future career, professional growth and stand unmatched with students of other colleges, both local and international.

With a state-of-the-art campus, experienced faculty, an up-to-date digital library, transport and hostel facilities, I assure that your decision to study at BUDC will surely be a wise one, your experience here will be profoundly enriching and you will become a valuable asset to the nation.

## ABBREVIATIONS

ASSIG/AS	Assignment
BCQS	Best Choice Questions
CBL	Case Based Learning
CDC	Curriculum Development Committee
CME	Continuous Medical Education
CP	Class Presentation
CQ	Class Quiz
CR/CW	Clinical Rotation/Clinical Work in OPD
CS	Clinical Session
DOPS	Direct Observational Procedural Skills
HEC	Higher Education Commission
HO	House Officers
HOD	Head of the Department
IL	Interactive Lecture
MIT	Modes of Information Transfer
MOD	Modular
Mini-CEX	Mini Clinical Evaluation Exercise
OMFS	Oral And Maxillofacial Surgery
OPD	Outpatient Department
OSCE	Objective Structured Clinical Evaluation
OSPE	Objective Structured Practical Evaluation
PBL	Problem Based Learning
PMC	Pakistan Medical Commission
PPT	Power Point Presentation
PW	Practical work
QEC	Quality Enhancement Cell
SC	Short case
SEQS	Short Essay Questions
SGD/S	Small Group Discussion/Session
SGIS	Small Group Interactive Session
Skill Lab	Phantom Lab
SS	Self -Study
Viva	Viva
VD	Visual Display



# BAHRIA UNIVERSITY DENTAL COLLEGE

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## **VISION**

To become a knowledge and creativity driven international university that contributes towards development of society.

## **MISSION STATEMENT**

To produce competent and skilled dental professionals and researchers by ensuring excellence in dental education, applied research and practices in a collegiate environment supported through national and international linkages, to exhibit highest principles of professional humanism towards community and society.

# **INTRODUCTION**

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 Bahria University 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 Bahria University Dental College
- Inform on organization and management of the team at BUDC. 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.

## **2- Curriculum:**

You will be taught an integrated/hybrid modular curriculum followed by annual professional examination in every year of BDS program.

### **Term Schedule:**

Academic calendar is given at the end of the document.

### **Course Objectives:**

The learning objectives in terms of what students are expected to achieve on completion of each lecture (Module), including learning methods and assessment strategies, have been mentioned in this document

### 3- Mode of Information Transfer

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

- Lectures
- Guest Lectures
- Case based learning (CBL)
- Problem Based Learning
- Team Based Learning
- Flipped Class Room
- Tutorials
- Assignments
- Practical's/Clinical Teaching
- Mini-CEX/DOPS
- Research projects
- Library sessions

### 4- Self-Directed Learning:

Self-directed learning is a learning model adopted by students from a more teacher-directed learning to a more student-centered pedagogy. Self-directed learning is a process in which individuals take the initiative, with or without the help of others, in identifying their learning needs, formulating learning goals, identifying human and material resources for learning, choosing, and implementing appropriate learning strategies, and evaluating their learning experiences.

***P.S: Please refer to Students Handbook 4-November 2021 for all applicable policies and is available on BU website***



## **STUDENT'S CODE OF CONDUCT**

Every student shall observe the following code of conduct in the University premises, in the University administered hostels (on and off-campus) and places of other activities being held under the auspices of the University:

- ✚ Loyalty to Pakistan and refraining from doing anything which is repugnant to its honor and prestige in any way.
- ✚ Respect for convictions and traditions of others in matters of religion, conscience and customs while observing own religious duties/customs.
- ✚ Truthfulness and honesty in dealing with other people.
- ✚ Respect for elders and politeness to all, especially to women, children, elders, the weak and the helpless.
- ✚ Special respect for teachers and others in authority in the CUs and BU.
- ✚ Cleanliness of body, mind, speech and habits.
- ✚ Helpfulness to fellow beings.
- ✚ Devotion to studies and prescribed co-curricular activities.
- ✚ Observance of thrift and protection of public property.
- ✚ Observance of the rules and regulations of the CU in force from time to time.

### **Prohibited Acts & Misconduct/ill-Discipline**

The following acts shall be unacceptable, and their commission shall be construed as misconduct or ill-discipline:

- ✚ Breach of the Code of Conduct.
- ✚ Smoking in the areas prohibited by the University.
- ✚ Consumption or possession of alcoholic drinks or other intoxicating drugs within the CU/ vicinity or while attending off-site instructions, sports, cultural tours or survey camps.
- ✚ Organizing or taking part in any function inside the campus, or organizing any club or society of students, except where permitted and in accordance with the prescribed rules and regulations.
- ✚ Collecting donations or receiving funds or pecuniary assistance for or on behalf of the CU except with the written permission of the Head of the CU or any other person authorized in this behalf.
- ✚ Staging, inciting or participating in or abetting any walk-out, strike or other form of agitation against BU, its CUs or students, teachers, officers or authorities; inciting others to violence; disruption of the peaceful atmosphere in any way; making inflammatory speeches or gestures which may cause resentment; issuing of pamphlets or cartoons which cast aspersions on the

students, teachers, staff or University authorities/bodies; doing anything in a way likely to promote rift and hatred amongst the students; issuing statements in the press; making false accusations against or lowering the prestige of BU or its students, teachers, administrators, staff or bodies.

- ✚ Disobeys the lawful orders of a teacher or other person in authority.
- ✚ Habitually neglects work or absents from the classroom without valid reason.
- ✚ Willfully damages public property or the property of fellow students or any teacher or employees of BU and its CUs.
- ✚ Does not pay the fees, fines, or other dues payable under the laid down rules and regulations; uses indecent language; wears immodest dress; makes indecent remarks; gestures; behaves in a disorderly manner; commits any criminal, immoral or dishonorable act (whether committed within the CU or outside) or any act which is prejudicial to the interests of BU and its CUs; and/or
- ✚ Commits an act of sexual harassment, as defined in the HEC's document 'Policy Guideline against Sexual Harassment in Institutions of Higher Learning'.

### **Action against Misconduct**

Every member of the faculty shall have the power to check any disorder or improper conduct, or any breach of the rules, by students in any part of the campus or outside when the visit is sponsored or organized by it. Misconduct in a classroom when a student is under the charge of a teacher shall not be allowed and a punitive action such as a fine, removal from the classroom or a punishment of greater magnitude may be imposed as decided by the authority so empowered. The Vice Principal can be approached for queries on educational matters, any breach of discipline, and referrals for electives, and advice about leave of absence or leave for medical reasons. All faculty members are also responsible for maintaining all aspects of discipline. Breaches of the university's code of conduct are routinely referred to the committee and disciplinary action is taken as it deems appropriate.

The administration manages the code of conduct, discipline, dress code and educational performance. There is a chairperson designated for dealing with Student Affairs.

### **1. Dress code:**

#### **Male students:**

1. Casual Trousers
2. Jeans (Plain blue) without an image, graphics, and write ups
3. Casual Shirts (Half/ Full sleeves)

4. T Shirts without any messages, images, graphics, and write ups
5. Casual shoes or Joggers with socks
6. Shalwar Kameez with shoes (only on Friday)
7. Suit/ Combination
8. Coat/ Pullovers/ Sweaters/ Jackets in winter

**Female students:**

1. Shalwar Qameez
2. Hijab, Abaya, Chaddar etc
3. Full length Jeans with long shirt/ kurta (knee length)
4. Light jewelry and light makeup
5. Shoes, Sandals and Joggers
6. Dupatta/ Scarf is compulsory with all dresses

**NOTE: BUDC students are expected to wear white coat during classes, hospital rotations and other wise.**

## **2. Student Card:**

Students shall be issued ID Cards. The students shall be required to wear their ID Cards in the campus and show them to the authorized persons on demand.

**Loss of ID Card:**

In case ID Card is lost, it should be immediately reported to the Office of the Dy Director (Academics) who will make arrangements for re-issue of a new card by the University after payment of fine.

## **3. Personal behavior.**

The University expects that all students should sustain professional manner when interacting with colleagues and others. The University recognizes that personalities, characters, and management styles may differ but, notwithstanding these differences, as a minimum standard, all are expected to:

- Work co-operatively with each other to achieve objectives and establish good working relationships.
- All should behave and speak professionally, respectfully, and courteously at all times.
- Tidiness and cleanliness must be always adhered to within the BUDC premises which will help us maintain a safe, clean, and professional learning environment.

- Use the college's property, facilities, supplies, and other resources in the most effective and efficient manner.
- Unacceptable behavior such as aggressive or abusive behavior, shouting or personal insults or spreading rumors or gossip, or insulting someone is to be avoided at all costs. All these matters, if experienced, should be reported to the vice principal or your mentor or a senior faculty member.

#### 4. **Punctuality:**

Students are expected to arrive in class well in time. All cell phones, smartphones, and other electronic devices (e.g., pagers, iPods) must be turned off and hidden from view during class time. Talking and other disruptive behaviors are not permitted while classes are in session. If the students miss a class, they are themselves responsible for the missed part of the course. It is the student's responsibility to contact a classmate or teacher to determine and cover what was missed.

At BUDC classes start immediately after holidays. There is no lag period after leave. There will be no relaxation for students who are absent. **Please inform your parents of this and make your travel arrangements accordingly.** Avoid taking leave for personal reasons like weddings during the academic year.

#### 5. **Conduct in hospital:**

While working in hospital and when dealing with patients, treat those whom you serve, with whom you work, and the public with same degree of respect you would wish them to show you.

Treat patients and colleagues with kindness, gentleness, and dignity. Respect the privacy and modesty of patients. Do not share the medical or personal details of a patient with anyone except those health care professionals who are integrals to the well-being of the patient or within the context of an educational endeavor. Lastly students are required to strictly follow the college dress code during and outside the college hours inside the campus & at hospital.

#### 6. **Conduct in library, Cafeteria, and Common rooms:**

Use of Library is to help support learning and promote academic success. Through the Library, the college provides students with access to computers, books, periodicals, study space, and other academic help, comfortable seating, along with formal and informal learning spaces. Students are expected to follow college rules, guidelines, and honor code of conduct in order to maintain their good standing and to continue receiving library privileges.

Use the cafeteria and common rooms with care, courtesy, and respect for others. Place garbage and recyclables in the appropriate containers. This behavior will maintain a clean and enjoyable environment for all.

## **COLLEGE DISCIPLINARY COMMITTEE**

The Committee deals with the maintenance of discipline on-campus. All cases of breach of discipline will be brought before this committee. The ruling of the committee cannot be challenged. The student will be dealt accordingly.

### **Students are to avoid the following: -**

- a) Unauthorized use of University's name or logo which is property of university.
- b) Harassment, sexual or otherwise, or intimidation of any member of university.
- c) Coming late for classes. The student may be considered absent and marked accordingly.
- d) Improper/inappropriate dress
- e) Loud and aggressive behavior in Cafeteria or Common rooms or within the premises of BUHS or PNS Shifa.
- f) Non clearance of bills/dues. Non-clearance of dues may prevent student from appearing in the professional examination. The student may also be refused permission to attend classes.

### **Smoking**

Smoking is strictly prohibited in campus.

**In case of non-compliance, the following disciplinary actions will be undertaken:**

- 1. Written warning on 1<sup>st</sup> occasion**
- 2. Fine of Rs. 5000/- on second occasion**
- 3. Barring attendance of classes on 3<sup>rd</sup> occasion.**

## **POLICY ON DISCIPLINARY ACTION AGAINST USE OF UNFAIR MEANS**

Zero tolerance for cheating / use of unfair means is to be maintained during Examinations.

A committee is to be formulated to consider all the cases pertaining to **plagiarism and use of unfair means** in exams. Two committees are formed: one each for MBBS and BDS. These committees are to be headed by their respective Principals.

The Committee shall follow the following procedures in handling such cases:

- a. The Invigilator who has caught the student using unfair means will report to the Head Invigilator who will inform the Head of Examination Department BUDC.
- b. The material being used, and the answer sheet will be confiscated immediately.
- c. The Principal Dental College will be informed at once.
- d. Further action will be taken locally by the Disciplinary Committee against use of Unfair Means and Plagiarism which has been formed. The punishments which this committee can advise are withdrawal from that paper, withdrawal from the entire examination but allowed to sit for supplementary or to repeat the year or get expelled from college.
- e. Director General BUHS will be the approving authority for the recommendations of the committee.
- f. Director Examinations BUHS will be informed in writing of the action taken.
- g. The material being used and the concerned answer sheet will be sealed and kept at BUDC Examinations department until after the result of the supplementary exams is announced.
- h. Instruction explaining the term “unfair means” will be displayed at the venue of examination as well as given in study guide.
- i. Following actions are considered as “unfair means”
  - Possession of written material/ books/ notes of any sort within the examination venue, whether that material is related or unrelated to the paper.
  - Writing on palm, arm or anywhere on the candidates body / clothing.
  - Any attempt to copy, take or give help during examination.
  - Possession of mobile phones, PDAs, and any other electronic device.

## **STUDENTS GRIEVANCES OVERSIGHT COMMITTEE**

There shall be a Student Grievances Oversight Committee (SGOC), at CU level for each department, to address grievances of students against any teacher, instructor, or administrative staff, with respect to matters of code of conduct, grades, or any administrative matter. The committee shall comprise:

- a) Head of CU.
- b) HOD.
- c) CU Exam-In-charge.
- d) Two (2) seniors most FMs of the department.

If grievance is about the award of a grade, the procedure shall be as follows:

- a) The student must submit the grievance, in writing, within seven working days of the receipt of the grade, to the HOD who shall forward it to the SGOC
- b) The SGOC shall hear both sides and will give its decision, which shall be final and binding on all parties, within five working days or before the start of registration for the new semester, whichever is earlier.

## **REDRESS OF GRIEVANCES**

In the event of an academic grievance, the student should first make an appointment to discuss the grievance with the faculty involved. Hopefully the issue will be resolved amicably at this stage, but if it is not, the student may request for an appointment with the Head of Department, who will investigate the complaint by obtaining data and statements from all parties involved and will attempt to resolve the grievance by mutual consent of the student and faculty member. However, if the matter is still unresolved the HOD will refer the case to Director for decision. If the Director's decision does not redress the grievance of the student the matter would be referred to DG campus, and finally the Rector.

# 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.

## **Flipped Classroom:**

It is a type of blended learning, which aims to increase student engagement and learning by having pupil's complete readings at home and work on live problem-solving during class time.

## **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**

BUDC 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.

# ATTENDANCE POLICY FOR STUDENTS

## PMC rules for eligibility in annual examinations.

- Minimum attendance requirement is 75% in each subject: attendance is for lectures, , clinics, CBLs, Tutorials, presentations etc: indoor and outdoor.
- The attendance is not simply for lectures.
- With effect from fall 2015 no shortfall in attendance will be condoned in any case by any authority. (24<sup>th</sup> ACM 27,28 May 2014).

Attendance is maintained by the Department of Scholastic Records at BUDC.

All students should try and achieve 100% attendance. Every teaching session is essential. You are expected have at least 75% attendance in **all subjects individually** to be allowed to appear in the professional examinations.

- Lecture Attendance is marked at the start of the class.
- Students who come more than 10 minutes late will be marked absent.
- A random head count is done to ensure correct entry of attendance.
- The attendance sheet is signed by the teacher and sent to Scholastics Department.
- The attendance is entered the spreadsheet as soon as possible on that day.
- No correction will be made later than 24 hours as the system is then locked.

## **ATTENDANCE FOR LECTURES, OPD, PRACTICALS ETC**

- Student signs the attendance sheet in front of the teacher in OPDs.
- The teacher countersigns in every class/tutorial.
- Weekly attendance is given by the department to the Scholastics Department - every Monday.
- Faculty has to submit attendance later than Friday of the current week.

The University rules permit a 25% short fall for genuine reasons of personal ill health of a life-threatening nature or unavoidable circumstances such as death of a blood relative.

This 25% relaxation cannot be taken in case of students going away for holidays.

**In case of attendance less than 75% even due to health issues, you will be asked to repeat the year.**

### **ATTENDANCE POLICY FOR STUDENTS REPEATING THE YEAR**

- a. Students who are repeating the year either due to poor attendance or failure in professional or supplementary examination will need to attend all the classes of the particular subject the next year.
- b. Their previous years' attendance will not be counted again.
- c. If their attendance is **AGAIN** less than 75% in current classes, they will not be allowed to appear in the next upcoming examination.
- d. If a student is repeating one subject, then attendance must be more than 75% in that subject. This includes all practical classes, demonstrations, PBL sessions, lectures and OPD.

### **ATTENDANCE POLICY FOR STUDENTS APPEARING IN SUPPLEMENTARY EXAMS**

- a. Only students who have appeared in professional examination can appear in supplementary examination.
- b. Students who were not eligible for the annual exam will not be eligible for the supplementary exam.
- c. Those who did not avail the chance must repeat the year and cannot appear in the supplementary.
- d. The student will prepare for the supplementary exam in his/her own time.
- e. In case the student fails to pass the supplementary exam he/she will revert to the previous class.
- f. Those students who do not attend classes will be marked absent and may face a shortage of attendance and will be asked to repeat the year.

## **ELIGIBILITY CRITERIA FOR APPEARING IN ANNUAL PROFESSIONAL EXAMINATIONS**

A student will be eligible to appear in the annual professional examination if he/she fulfills the following criteria:

- a. 75% attendance.
- b. Have cleared all financial dues.
- c. Must appear in all three end-of-module examinations.
- d. Must have scored passing marks in at least two of end of module examinations.
- e. No breach of discipline should have occurred for which the Disciplinary Committee has advocated a punishment.
- f. A student who has failed 2 end-of-module tests will be permitted a “re-sit” at the end of the academic year.
- g. Students who did not appear in end of module tests will not be allowed in the “re-sit”.
- h. No student can appear in one subject in an annual professional examination but must appear in all the subjects for that year.
- i. Subjects may be designated for the supplementary exams or for students repeating a year.
- j. There will be no remedial or extra classes in any subject for making good the shortfall in attendance.
- k. Departments may offer revision classes, but these will not be considered formal classes and will not be entered in the regular attendance.

# 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, 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 BUDC.

## **ASSESSMENT POLICY FOR MODULES**

There is a policy of ongoing or formative assessment of all students and summative assessment at the end of the module.

### **Formative or ongoing assessment:**

- Formative assessment will be done on:
  - CBL/PBL/WPBAs sessions
  - Logbooks
  - Presentations assignments
  - End of OPD rotation examinations, quizzes and tests held in a department.

### **Summative Assessment:**

- The end-of-module test comprises:
  - OSCE or OSPE examination
  - Viva voce exam.
  - Written theory examination
  - The written examination has 2 parts an MCQ and a short answer or short essay type examination.

### **Generation of internal evaluation marks from each module.**

- 20% MARKS will be calculated from each end of module exam and will be counted in the final examinations.

# STUDENTS AWARD POLICY

## 1. MEDALS

### . Committee

Prof Dr. Syed Ahmed Omer	HOD Science of Dental Materials
Sr Prof. Dr. Saman Hakeem	HOD Prosthodontics

### a. Eligibility criteria is as under

#### (1) Gold Medals

Are awarded to the students scoring highest aggregate marks of all professional examinations

#### (2) Silver Medal

Student/s getting second highest aggregate marks of all professional examinations

## 2. SCHOLARSHIP CRITERIA

- . 1<sup>st</sup>, 2<sup>nd</sup>, and 3<sup>rd</sup> position holder from each professional examination for MBBS.
- a. 1<sup>st</sup> and 2<sup>nd</sup> Position holder from each professional examination for BDS
- b. Highest marks in the class not less than 70%
- c. Eligible students must have appeared and passed in all modular exams of the same year

## 3. MERIT CERTIFICATES

- . Awarded to the students scoring highest percentage in various professional subjects

## POLICY FOR ELECTIVES

- a. Electives are not mandatory nor are they a part of the curriculum. Electives are considered add on extra-curricular activities with benefits for selection for jobs or postgraduate training after BDS.
- b. The Electives Rotation will be of four weeks' duration.
- c. It will be planned at least six months in advance during the 3<sup>rd</sup> or 4<sup>th</sup> Year.
- d. The Elective will be planned during the **SUMMER HOLIDAYS** preferably.
- e. The institution or department will be of the student's choice.
- f. During the elective, the student will not get credit for attending lectures at BUDC.
- g. It is the student's responsibility to ensure that his/her overall attendance record is not affected adversely by the elective.**
- h. The student will not proceed on an elective without informing the Associate Dean designated for this purpose who will take permission from the Principal.
- i. The student will sign a waiver to the effect that any shortfall in attendance is his /her own responsibility and will be dealt with as per rules of Bahria University Health Sciences.
- j. The adequacy of education during the elective is the student's own responsibility.
- k. Permission to attend an elective is given by the Associate Dean designated for this purpose at BUDC. This simply implies that the college authorities are aware that the student is away for this period so that admission is not cancelled.
- l. The student will ensure that the Elective Supervisor completes an evaluation report at the end of the elective.
- m. BUDC will not provide any financial assistance for the elective.



## MENTOR SCHEDULE

### MENTORS

- Dr. Saima Mazhar
- Dr. Jawaria Zeeshan
- Dr. Madiha Anwar
- Dr. Mohsin Haider
- Dr. Fatima Hassan



**HEAD MENTOR**

**Prof Dr. Kulsoom Fatima Rizvi**  
**Vice Principal Dental**

### **Who to contact?**

The class is divided into equal groups of students and each group has a designated teacher, who works as their mentor. The students will meet their mentor once a month, third Thursday of the month, in their office to discuss the academic, social, and other problems with them and seek their advice and guidance.

The mentor will report to the head mentor monthly, in case any problem is not resolved even at that level, then the head mentor can refer the case to Principal accordingly.

## DEPARTMENT OF DENTAL EDUCATION

High-quality medical /dental education is a vital prerequisite for high-quality patient care. Dental education's aim is to supply society with a knowledgeable, skilled, and up-to-date cadre of professionals who put patient care above self-interest, along with developing their expertise over the course of a lifelong career.

The department of Dental Education has expanded beyond the classroom all around the world and quality patient care is learned by the bedside teaching and with the practical introduction of clinical cases in preclinical years. The Dental Education department ensures that the educational content synchronizes with the learning strategies, the assessment tools and provides effective feedback to enhance the learning process. The department of Dental Education at Bahria University Dental College is interested in raising the standards of the teaching by continuously developing a pool of trained faculty members. For this purpose, interactive sessions and hands-on workshops are constantly designed, focusing on current and effective modes of evidence-based teaching and assessment tools. It fosters flexible and a learner-centered approach during teaching. Self-reflection and critique of teaching techniques are also vital in propelling an institute towards excellence. Our Dental Education department aims to achieve that and more.

### **Faculty:**

#### **Facilitators**

Dr. Akbar Abbas

Senior Registrar

Dr. Kulsoom Zahir

Lecturer

## **DIRECTORATE OF STUDENTS' ACTIVITIES**

Directorate of Student Affairs is responsible for providing a constructive learning environment that fosters positive learning, personal development and enhances the quality of life for students. This department encourages students to achieve the objective of building a balanced personality.

The Directorate of Students Affairs establishes a connection between students, faculty, and University administration. It is an important component of university that offers a platform for curricular and co-curricular activities to explore, enlighten and polish the hidden capabilities of the students so that they can enjoy pleasant environment and deliver a series of programs to enrich the campus life. It is committed to enable all students to participate in an engaging, healthy, and active learning environment during their time at BUDC. All these pursuits tend to improve the level of confidence among the students.

### **The Directorate has following major duties**

- To promote extra co-curricular and cultural activities such as organizing Debate competitions, Quiz competitions, workshops, Bake sale, welcome party and farewell.
- Providing sports facilities and regular organization of sports competition.
- Arranging different lecture sessions for Personal and Professional Development.
- Arranging community visits.
- Conducting various seminars on current national and international issues.
- Arranging blood donation camps.

# 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

### 1. 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 Well versed with basic dental morphology and application of dental materials

### 2. 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 Utilize universal infection control guidelines for all clinical procedures.
- 2.8 Prevent, diagnose, and manage pain and anxiety in the dental patient.
- 2.9 Prevent, diagnose temporomandibular joint disorders.
- 2.10 Prevent, diagnose, and 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 Diagnose and manage developmental or acquired occlusal abnormalities.
- 2.14 Manage the replacement of teeth for the partially or completely edentulous patient.
- 2.15 Diagnose, identify, and manage pulpal and peri-radicular diseases.
- 2.16 Diagnose and manage oral surgical treatment needs.
- 2.17 Prevent, recognize, and manage medical and dental emergencies.
- 2.18 Recognize and manage patient abuse and/or neglect.
- 2.19 Recognize and manage substance abuse.
- 2.20 Evaluate outcomes of comprehensive dental care.
- 2.21 Diagnose, identify, and manage oral mucosal and osseous diseases.

### **3. Community Health Promoter**

*Under Graduates must be competent to:*

- 3.1 Provide prevention, intervention, and educational strategies.
- 3.2 Participate with dental team members and other health care professionals in the management and health promotion for all patients.
- 3.3 Recognize and appreciate the need to contribute to the improvement of oral health beyond those served in traditional practice settings.

### **4. Critical Thinker**

*Under Graduates must be competent to:*

- 4.1 Evaluate and integrate emerging trends in health care as appropriate.
- 4.2 Utilize critical thinking and problem-solving skills.
- 4.3 Evaluate and integrate best research outcomes with clinical expertise and patient values for evidence-based practice.

### **5. 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.

6. **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

7. **Leader**

*Under Graduates must be competent to:*

- 7.1 Manage self, taking responsibility and utilizing the time to the best of his/her ability.
- 7.2 Effectively work in a group, as a leader or as a team member.
- 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 Operative Dentistry**

**Department of Prosthodontics**

**Department of Oral Maxillofacial Surgery**

**Department of General Medicine**

**Department of General Surgery**

# DEPARTMENT OF ORAL PATHOLOGY

Oral Pathology is the specialty of dentistry which deals with the nature, identification and management of diseases affecting the oral and maxillofacial region. The practice of oral pathology includes research, diagnosis of diseases using clinical, radiographic, microscopic, biochemical and other examinations and management of patients. The Oral Pathology lab is well equipped with research and multimedia facilities along with highly trained faculty and staff. Research on oral pathological lesions is the integral ambition of department. The department is receiving the best faculty researcher award for the past three years.



## **FACULTY:**

**HOD:** Prof. Dr Daud Mirza

## **FACILITATORS:**

Dr. Afsheen Maqsood	Associate Professor
Dr. Jawaria Zeeshan	Senior Lecturer
Dr. Samra Faheem	Lecturer
Dr. Shahrukh Khan	Lecturer



# DEPARTMENT OF PERIODONTOLOGY

Periodontology is the specialty of dentistry that studies supporting structures of teeth, as well as diseases and conditions that affect them. The supporting tissues are known as the periodontium, which includes the gingiva (gums), alveolar bone, cementum, and the periodontal ligament. A professional who practices this specialty field of dentistry is known as a Periodontist.



## **FACULTY:**

### **HOD:**

**Dr. Farzeen Tanwir**

**Professor**

### **Facilitators:**

Dr. Natasha Zaidi

Senior Registrar

Dr. Saima Mazhar

Senior Registrar

Dr. Fatima Israr

Senior Registrar

Dr. Tauqeer Bibi

Registrar

Dr. Bushra Ijaz

Registrar

# DEPARTMENT OF ORAL MEDICINE

Oral medicine is the area of special competence in dentistry concerned mainly with diagnosis, investigations and non-surgical management of diseases involving the oral & perioral structures as well as medically compromised patients. The subject of Oral Medicine at the Bahria University Medical and dental college is designed to provide extensive diagnostic and therapeutic skills for students to diagnosis and non-surgical treatment of oral and perioral diseases, and management of systemic diseases that have a significant impact on the oral health.



## **FACULTY:**

**HOD**

**Dr. Arsalan Khalid**

**Assistant Professor**

**Facilitators:**

Dr. Moona Mumtaz

Senior Registrar

Dr. Muhammad bin Mahmood

Registrar

# DEPARTMENT OF OPERATIVE DENTISTRY

It is the branch of dentistry concerned with the diagnosis, prevention, and treatment of diseases of the tooth structure including the repair or restoration of defective teeth. It also includes the care and treatment of children's teeth.

The objective of this session is to give basic knowledge of operative instruments, dental terms, principles of cavity preparations, and fundamentals of tooth restorations. The skills with a hand piece are mainly accomplished through the use of patients' simulation approaches. The new dentist must be competent at assessing patient risk for caries and implement caries prevention strategies and removing or treating carious tooth tissue using techniques that maintain pulp vitality and restore the tooth to form, function and aesthetics with appropriate materials, preventing hard tissue disease and promoting soft tissue health. The development and practice of these skills using a hand piece (dental drill) begins at orientation and continues throughout the academic year.



## Faculty:

<b>HOD</b>	<b>Dr. Shama Asghar</b>	<b>Professor</b>
Facilitator	Dr. Faisal Bhangar	Assistant Professor
Facilitator	Dr. Hasan Hameed	Assistant Professor
Facilitator	Dr. Ayesha Zafar	Senior Registrar
Facilitator	Dr. Meisha	Senior Registrar
Facilitator	Dr. Syed Adeel Ahmed	Senior Registrar
Facilitator	Dr. Umeed Jawaid	Senior Registrar
Facilitator	Dr. Imtiaz ul Haq	Registrar

# DEPARTMENT OF PROSTHODONTICS

Prosthodontics dentistry is the branch of dentistry pertaining to the restoration and maintenance of oral functions, comfort, appearance and health of the patient by restoration of teeth and/or replacement of the missing structures with removable and fixed dental prosthesis.

The department caters to patients through provision of removable complete and partial denture prosthesis; fixed prosthesis, maxillofacial prosthesis and temporary mandibular disorders management.



## **FACULTY:**

**HOD:** Prof. Dr Saman Hakeem

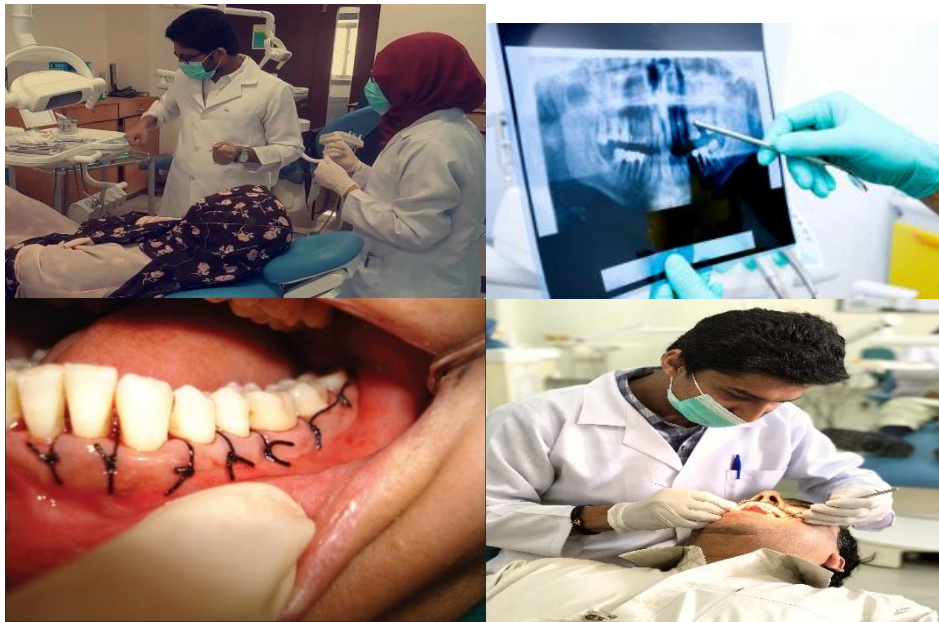
## **Facilitators:**

Dr. Farnaz Ilyas	Assistant Professor
Dr. Asim Monpuri	Senior Registrar
Dr. Anum Baqar	Senior Lecturer
Dr. Fatima Hassan	Senior Lecturer
Dr. Farah Javaid	Senior Lecturer
Dr. Osama Yaseen	Registrar
Dr. Akbar Abbas	Senior Registrar (Part Time)



# DEPARTMENT OF ORAL SURGERY

Oral Surgery is a specialty that deals with the treatment and management of pathology of the jaws and mouth that requires surgical intervention. Although the surgical removal of teeth is the most common procedure performed by oral surgeons, there is a broad scope to the specialty. This includes the management of hard and soft tissue pathology, oral infections, dento alveolar trauma and orofacial pain along with provision of surgery to support orthodontics and insertion of osseointegrated implants.



## **FACULTY**

**HOD:**

**Professor Dr. Wahab Baksh Kadri**

**Facilitators:**

Surg Cdre Nabeel Hafeez  
Dr. Atif Ahmed Zubairi  
Dr. Hadi Rao  
Dr. Fatima Khaleeq  
Dr. Safdar Haider  
Dr. Rida Zulfiqar

Assistant Professor  
Senior Registrar  
Senior Registrar  
Senior Registrar  
Registrar  
Registrar

# DEPARTMENT OF GENERAL MEDICINE

The Department of General Medicine contains the following facilities and students will be taught in detail about the relevant subjects: Cardiology, Infectious diseases, Gastro enterology, Hepatology, Nephrology, Pulmonology, Rheumatology, Hematology Dermatology, Psychiatry.



## FACULTY

### HOD:

**Prof Muhammad Sajid Abbas Jaffri**

### Facilitators:

Prof Dr. Brig (Retd) Parvez Asghar	Professor
Surg Capt Mansoor Zeeshan	Assistant Professor
Surg Cdr Jamal Azfar	Assistant Professor
Dr. Sehrish Shafeeq	Assistant Professor
Dr. Shanila	Assistant Professor
Dr. Sadaf Harris	Assistant Professor
Dr. Sannia Pervaiz	Assistant Professor
Dr. Faryal Gul	Senior Registrar
Dr. Navaid Siddiqui	Senior Registrar
Dr. Sanjay Kumar	Senior Registrar

# DEPARTMENT OF GENERAL SURGERY

The Department of General Surgery contains the following facilities and students will be taught in detail about the relevant subjects: Neurosurgery, Urology, Orthopedic surgery, Plastic surgery, Surgical ICU, Burn unit.



## FACULTY

### HOD:

**Prof Dr Naheed Sultan Ahmed**

**Professor**

### Facilitators:

Surg Cdre Syed Faraz Anwar

Associate Professor

Surg Cdre Maqsood Akram

Associate Professor

Surg Cdr Rana Hassan Javaid

Associate Professor

Surg Cdr Shafaqat Ali

Assistant Professor

Surg Capt Kamran Rahim

Assistant Professor

Dr. Hina Azfar

Assistant Professor

Surg Lt Cdr Muhammad Anis ul Islam

Senior Registrar

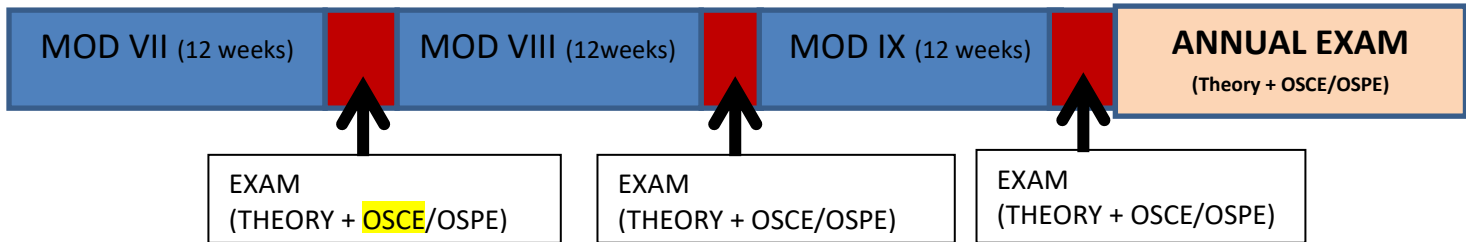
Surg Lt Cdr Lal Bux

Senior Registrar

Dr. Amna Gul

Lecturer

## THIRD YEAR BDS



## DEPARTMENTS

- ORAL PATHOLOGY
- PERIODONTOLOGY
- ORAL MEDICINE
- GENERAL MEDICINE
- GENERAL SURGERY
- OPERATIVE DENTISTRY—MOD VII
- PROSTHODONTICS – MOD VIII
- ORAL AND MAXILLOFACIAL SURGERY – MOD IX



## MODULE VII

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

S.no		Teaching Strategies	Online Learning	Assessment Tool
	<b><u>ORAL PATHOLOGY</u></b>			
1.	Describe the developmental disturbances in number and shape of teeth.	IL	✓	BCQs/SEQs
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	✓	SEQs
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/SEQs
12.	Discuss the histopathological features of pulpitis.	IL	✓	BCQs/SEQs
13.	Describe the clinical and histological features of pulp polyp	IL	✓	BCQs/SEQs /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 orthopantomogram x-ray.	PW	✓	OSPE
17.	Describe the acute and chronic periapical periodontitis.	IL	✓	BCQs/SEQs
18.	Describe the sequelae of pulpitis.	SGD	✓	SEQs
19.	Define Dental caries.	IL	✓	SEQs
20.	Describe the various theories of cariogenesis.	IL	✓	BCQs/SEQs

21.	Explain the widely accepted theories of dental caries.	IL	✓	SEQs
22.	Describe the role of microorganism in the etiology of dental caries	SGD	✓	BCQs/SEQs
23.	Describe the clinical aspects of dental caries.	IL	✓	SEQs/OSPE
24.	Discuss the contributing factors in dental caries.	SGD	✓	BCQs/SEQs
25.	Explain the histopathology of enamel and dentin caries.	IL	✓	SEQs/OSPE
26.	Describe the methods of caries prevention.	IL	✓	SEQs
27.	Define the following terms: Incipient caries, rampant caries, nursing bottle caries, arrested caries.	IL/SGD	✓	BCQs/SEQs
28.	Discuss the route of spread of periapical infections.	IL	✓	SEQs
29.	Describe the etiology and clinical features of cellulitis.	IL	✓	BCQs/SEQs
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.	<b>PROFESSIONALISM AND ETHICS</b>			
a)	Demonstrate the professional attributes of a learner, colleague and physician in training.	SGD	✓	OSCE
b)	Discuss the role of doctor in community and duties of a doctor.	IL	✓	BCQ/SEQ
c)	Demonstrate competency in behaving in ethical manner with patients, coworkers and the public.	SGD	✓	OSCE
	<b>PATIENT'S SAFETY</b>			
a)	Explain to the patients the importance of using lead apron & thyroid collar for X-ray taking	SGD	✓	OSCE
b)	Recognize high risk situations and describe approaches and processes associated with risk management	SGD		OSCE
c)	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
d)	Discuss safety precautions to avoid accidents in the laboratory.	SGD	✓	OSCE
	<b>COMMUNICATION SKILLS</b>			
a)	Inquire about symptoms and history of the presenting complaint	SGD	✓	OSCE/Role

				play
b)	Inquire about relevant information from the patients for the diagnosis of periapical lesion	SGD	✓	OSCE
	<b><u>PERIODONTOLOGY</u></b>			
34.	Describe the anatomy of healthy periodontium/Aging of gingiva, bone cementum, PDL	IL/SGD	✓	SEQs/OSCE/CP
35.	Describe the clinical features of healthy gingiva.	IL/SGD	✓	SEQs/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	✓	SEQs/CP
40.	Describe the anatomy and physiology of alveolar process.	IL	✓	SEQs/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	✓	SEQs/CP
44.	Define dental Plaque.	IL	✓	BCQs/CP
45.	Discuss the types of dental plaque.	IL/SGD/CR	✓	BCQs/SEQs/OSCE/CP
46.	Describe the stages involved in formation of dental plaque.	IL	✓	BCQs/SEQs/CP
47.	Explain the structure & composition of Plaque.	IL/CR	✓	SEQs/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/SEQs

				/CP
52.	Describe the composition of dental calculus.	IL	✓	BCQs/SEQs /CP
53.	Discuss the role of microorganisms in mineralization of calculus.	IL/CR	✓	BCQs/SEQs /CP
54.	Discuss the role of dental calculus & other predisposing factors in the etiology of dental Diseases.	IL	✓	SEQs/CP
55.	Discuss supra gingival & sub gingival calculus and their effects on periodontal tissues.	IL	✓	SEQs/CP
56.	Enlists and describe the intraoral surfaces for bacterial adhesion.	IL	✓	SEQs/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/SEQs /CP
62.	Describe the microbial shift during periodontal disease.	IL	✓	BCQs/SEQs /CP
63.	Describe the histological features of initial, early, established and advanced lesions of gingivitis.	IL	✓	SEQs/CP
64.	Discuss the correlation of clinical and histopathological features of periodontal pocket.	IL/SGD	✓	SEQs/CP
65.	Discuss the role of saliva in host defense.	IL/CR	✓	SEQs/CP
66.	Discuss the role of sulcular fluid in healthy and diseased periodontal tissues.	IL/SGD/ CR	✓	BCQs/SEQs
67.	Describe the Inflammatory cell response in periodontal diseases.	IL/CR	✓	BCQs
68.	Discuss the correlation of gingival manifestations in immune mediated disorders	IL/CR	✓	BCQs
69.	<b>PROFESSIONALISM AND ETHICS</b>			

a)	Demonstrate skills in introducing himself/ herself to the patient before history taking	CR		Role play
b)	Communicate to the patient confidently & respectfully during history taking and patient examination	CR		OSCE/ Role play
c)	Communicate the problem list to the patients	CR		OSCE/ Role play
d)	Take informed consent from the patient before commencing treatment.	CR		Role play
e)	Counsel the patients regarding the preventive treatments Scaling and root planning	CR	✓	OSCE/ Role play
f)	Discuss the risk factors for Gingivitis and Periodontitis	CR	✓	OSCE/ SEQs
g)	Use NICE guidelines for patient recall interval	CR	✓	SEQs
h)	Give post-treatment instruction to the patient	CR	✓	OSCE
i)	Demonstrate the professional attributes of a learner, colleague and physician in training.	CR	✓	Role play
j)	Describe the basic principles of ethics with reference to social, cultural and religious perspectives.	SGD	✓	BCQs
k)	Describe the role of doctor in community and duties of a doctor.	SGD	✓	BCQs/SEQ
l)	Demonstrate competency in behaving in ethical manner with patients, coworkers and the public.	CR		OSCE
<b>PATIENT'S SAFETY</b>				
a)	Explain to the patient the use of isolation methods for their safety	CR		OSCE
b)	Prescribe medication correctly as per patient needs	CR		OSCE
c)	Explain to the patient the use of saliva ejector for isolation	CR		OSCE
d)	Develop competency in maintaining appropriate patient record for future reference	CR		OSCE
e)	Explain to the patients the importance of using lead apron & thyroid collar for X-ray taking	CR		OSCE
f)	Recognize high risk situations and describe approaches and processes associated with risk management	CR		OSCE
g)	Describe the proper handling of patient care equipment and describe approaches and processes associated with risk management	CR		OSCE

h)	Demonstrate competency in a stablishing a therapeutic and professional relationship with patients and their families.	SGD		OSCE
i)	Recognize the magnitude and the importance of patient safety	SGD		OSCE
j)	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
k)	Discuss safety precautions to avoid accidents in the laboratory.	SGD		OSCE
<b>COMMUNICATION SKILLS</b>				
a)	Inquire about symptoms and history of the presenting complaint	CR		OSCE/Role play
b)	Inquire about relevant information from the patients for the diagnosis of Gingival diseases and Periodontal diseases	CR		OSCE
c)	Communicate with superiors and juniors respectfully	CR		-----
d)	Demonstrate empathy and respect towards patient during history taking and treatment	CR		Role play
e)	Communicate clearly and confidently to the patient	CR		Role play
f)	Demonstrate positive gestures to the patient	CR		Role play
g)	Demonstrate competency in preparing and delivering high impact presentations.	CR		Competition
h)	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
i)	Demonstrate competency in communicating effectively with patients.	CR		OSCE
j)	Demonstrate competency in breaking the bad news to patient.	CR		OSCE
<b><u>ORAL MEDICINE</u></b>				
70.	Take relevant history	IL/ CR	✓	OSPE
71.	Perform Extra-oral and Intra-oral examination.	IL/ CR	✓	OSPE
72.	Interpret basic investigations required for making diagnosis (Hematology, Radiology, Histopathology and biochemistry).	IL	✓	BCQs/ SEQs/ OSCE
73.	List the indication of special investigations in relation to various diseases/conditions	IL/ CBL	✓	BCQs/ Viva
74.	List the differential diagnosis for common diseases manifested in oral & maxillofacial region.	IL/CBL	✓	SEQs/ Viva

75.	Formulate treatment plan and give various treatment options to patient.	IL/ CBL	✓	CP
76.	Identify the role of immunity for maintenance of adequate oral health.	IL	✓	SEQs
77.	Explain sterilization and disinfection	IL/ SGD	✓	BCQs/ OSCE
78.	Discuss the rational for sterilization and disinfection.	IL/ SGD	✓	BCQs/SEQs
79.	Discuss and select appropriate methods of sterilization and disinfection	IL/ SGD	✓	BCQs/SEQs
80.	Understand radiation physics including X-rays production, different components of X-ray machines, and the various properties of X-ray	IL/ SGD	✓	SEQs/ OSCE/ Viva
81.	Recognize and describe different carious lesions, periapical pathology and radiographic methods of their evaluation	IL/ SGD	✓	BCQs/SEQs
82.	Compare paralleling and bisecting angle technique	IL/ SGD	✓	
83.	Understand advantages disadvantages of OPG	IL/ SGD	✓	
84.	List the causes of infections in oro-facial region.	IL/ SGD	✓	BCQs/SEQs
85.	List the causative agent and classification for syphilitic infections.	IL/ SGD	✓	BCQs/SEQs
86.	Describe the etiology, clinical presentation of primary, secondary and tertiary syphilis.	IL/ SGD	✓	SEQs/OSCE / Viva
87.	Interpret the investigations involved in diagnosis of syphilitic infections.	IL/ CBL	✓	SEQs/OSCE / Viva
88.	Describe the management of syphilitic infection	IL/CBL	✓	SEQs/ Viva
89.	Identify and describe the clinical features of oral tuberculous ulceration.	IL/ SGD	✓	SEQs/ Viva
90.	Enumerate various special investigations involved in making diagnosis of tuberculous ulcer.	IL/ SGD	✓	OSCE/ Viva
91.	Describe the management of patient with oral tuberculous ulcer	IL/CBL/ SGD	✓	SEQs/ OSCE/ Viva
92.	Describe the causes, Clinical features, diagnostic aids and management of various viral infections of Oro-facial region.	IL/CBL/ SGD	✓	SEQs/ Viva
93.	Describe the clinical features, diagnosis and management of herpes simplex infection	IL/CBL/ SGD	✓	SEQs / OSCE/ Viva

94.	Describe the clinical features, diagnosis and management of herpes zoster infection.	IL/CBL/ SGD	✓	SEQs / Viva
95.	Describe the classification of oral candidal infection.	IL	✓	SEQs / OSCE/ Viva
96.	Identify the predisposing factors of oral candidiasis.	IL	✓	SEQs / OSCE/ Viva
97.	Describe the clinical features and management of acute hyperplastic candidiasis.	IL/ SGD	✓	BCQs/SEQs
98.	Discuss etiological factors, clinical features and management of angular stomatitis.	IL/ SGD	✓	BCQs/SEQs
99.	<b>PROFESSIONALISM AND ETHICS</b>			
a)	Demonstrate skills in introducing himself/ herself to the patient before history taking	SGD		OSCE/VIV A
b)	Take informed consent from the patient before commencing treatment.	SGD		OSCE/VIV A
c)	Demonstrate the professional attributes of a learner, colleague and physician in training.	SGD		OSCE/VIV A
d)	Describe the basic principles of ethics with reference to social, cultural and religious perspectives.	SGD		OSCE/VIV A
	<b>COMMUNICATION SKILLS</b>			
a)	Demonstrate positive gestures to the patient.	SGD		OSCE/VIV A
b)	Demonstrate competency in preparing and delivering high impact presentations	SGD		OSCE/VIV A
c)	Communicate with superiors and juniors respectfully	SGD		OSCE/VIV A
d)	Inquire about symptoms and history of the presenting complaint	SGD		OSCE/VIV A
	<b><u>OPERATIVE DENTISTRY</u></b>			
100.	Revise the dental caries	IL	✓	Viva
101.	Enlist the Etiology of dental caries	IL	✓	BCQs/SEQs
102.	Review the pathogenesis of dental caries	IL	✓	BCQs/SEQs
103.	Suggest the steps for prevention of dental caries	IL	✓	BCQs/SEQs



104.	Identify restorative instruments	CR/SGD	✓	OSCE
105.	Describe use of every restorative instrument	CR/SGD	✓	OSCE
106.	Apply different grips to hold hand instruments	CR/SGD	✓	OSCE
107.	Demonstrate the positioning of patient and dentist in operatory field	CR/SGD	✓	OSCE
108.	Perform Clinical Examination & Diagnosis of Dental Caries	CR/SGD	✓	BCQs/ OSCE
109.	Know the importance of Radiographs	CR/SGD	✓	OSCE
110.	Perform basic intraoral radiography	CR/SGD		OSCE
111.	Demonstrate ability to identify dental pathology on radiographs	CR/SGD		OSCE
112.	Recognize the differences between primary and permanent teeth clinically and radio-graphically	SGD	✓	OSCE
113.	Apply the methods of sterilization and cross infection control in Operative dentistry	IL/CR/S GD	✓	BCQs/SEQs
114.	Perform Class 1 cavity preparation on patient tooth	CR/SGD		OSCE
115.	Demonstrate placement of lining on patient tooth	CR/SGD		OSCE
116.	Perform filling & finishing of Amalgam in Class I and Class I compound cavities	CR/SGD		OSCE
117.	Review dental amalgam as a restorative material	SGD	✓	BCQs
118.	Enlist parts of rubber dam system	SGD	✓	BCQs
119.	Understand advantages of rubber dam application	CR/SGD	✓	OSCE
120.	Practice application of rubber dam on phantom head	Skill LAB		OSCE
121.	Execute placement of fissure sealant	CR		OSCE
122.	Conduct clinical Examination and Diagnosis of Erosion, Attrition, Abrasion	IL/CR		BCQs/SEQs
123.	Execute Class V cavity preparation and its restoration on patient tooth	CR		OSCE
124.	Perform clinical Examination and Diagnosis of cracked tooth	IL/CR		BCQs/SEQs /OSCE

125.	Prepare Class II slot cavity on patient tooth	CR/SGD		OSCE
126.	Enlist parts of matrix band retainer	Skill LAB	✓	OSCE
127.	Practice application of matrix band retainer with band & wedge in phantom lab	Skill Lab		OSCE
128.	Perform Class III cavity and its restoration on patient tooth	CR		OSCE
129.	Describe tooth colored restorative materials	IL/SGD	✓	BCQs
130.	Recognize the causes of Restorative failure and postoperative problems	IL/SGD	✓	BCQs/SEQs
131.	Introduce the use of lasers in dentistry	IL	✓	BCQs
132.	Employ aesthetic considerations in diagnosis and treatment planning	IL	✓	BCQs/SEQs
133.	Identify Endodontic instruments	CR		OSCE
134.	Introduce the basic principles of root canal therapy (technical aspects)	IL	✓	BCQs/SEQs
135.	Observe steps involved in root canal treatment	CR/SGD		OSCE
136.	<b>PROFESSIONALISM AND ETHICS</b>			
a)	Introduce himself/ herself to the patient before history taking	CR	✓	Role play
b)	Communicate to the patient confidently & respectfully during history taking and patient examination (Dental caries, NCCL, trauma)	CR		OSCE/ Role play
c)	Informs patient about the problem list	CR		OSCE/ Role play
d)	Take consent from the patient before start of treatment	CR		OSCE
e)	Explain various types of filling to the patient	CR		OSCE/ Role play
f)	Explain preventive treatments for dental caries to the patient	CR	✓	SEQs
g)	Discuss the risk factors for root caries to patient	CR	✓	OSCE/ SEQs
h)	Use NICE guidelines for patient recall interval	CR	✓	SEQs
i)	Give post-filling instruction to the patient	CR	✓	Role play
j)	Ask correct questions about longitudinal tooth fractures in history taking	CR		Role play
	<b>PATIENT'S SAFETY</b>			
a)	Explain use of lead apron & thyroid collar for X-ray taking to the patient	CR		OSCE
b)	Explain to the patient, about the use of isolation methods for safety	CR		OSCE
c)	Explain patient to the use of rubber dam and saliva ejector for isolation	CR		OSCE

<b>COMMUNICATION SKILLS</b>				
a)	Speak the correct questions about history and symptoms of the presenting complaint	CR		OSCE/Role play
b)	Inquire relevant questions from the patients for the diagnosis of pulpal and periapical lesion	CR		OSCE
c)	Communicate with superiors and juniors respectfully	CR		-----
d)	Display empathy and respect to the patient during history taking	CR		Role play
e)	Speak clearly and confidently to the patient	CR		Role play
f)	Show positive gestures to the patient	CR		Role play
g)	Demonstrate presentation skill	CR		Competition
<b><u>GENERAL MEDICINE</u></b>				
137.	Discuss the pathophysiology, clinical manifestations and management of acute coronary syndrome and myocardial infarction.	IL		BCQs/SEQs /OSCE
138.	Discuss the pathophysiology, clinical manifestations and management of different types of heart failure.	IL		BCQs/SEQs /OSCE
139.	Diagnose the of normal ECG, arrhythmias & MI	IL/SGD		BCQs/SEQs /OSCE
140.	Discuss the approach to a patient with primary and secondary hypertension with its investigations & management.	IL		BCQs/SEQs /OSCE
141.	Discuss Valvular Heart Diseases & its management.	IL		BCQs/SEQs /OSCE
142.	Describe the usual presentations of rheumatic fever and infective endocarditis	IL/ SGD		BCQs/SEQs /OSCE
143.	Describe in detail the pathogenesis, clinical features, evaluation and treatment plan for asthma.	IL		BCQs/SEQs /OSCE
144.	Discuss in detail the pathogenesis, clinical features, evaluation and treatment plan for COPD.	IL		BCQs/SEQs /OSCE
145.	Define TYPE 1 And TYPE 2 respiratory failure and understand the causes.	IL		BCQs/SEQs /OSCE
146.	Assess the benefits and hazards of long term oxygen therapy.	IL		BCQs/SEQs /OSCE
147.	Differentiate between community acquired and hospital acquired pneumonia, assessment of severity and its management.	IL		BCQs/SEQs /OSCE

148.	Discuss the clinical manifestations, evaluation and investigation of pulmonary thromboembolism.	IL		BCQs/SEQs /OSCE
149.	Discuss the pathogenesis, etiology, clinical picture and management of Pleural effusion and pneumothorax	IL		BCQs/SEQs /OSCE
150.	Describe in detail the etiology, pathogenesis, clinical features, diagnostic tests, and treatment of Tuberculosis.	IL/SGD		BCQs/SEQs /OSCE
151.	Differentiate inflammatory arthritis from osteoarthritis and management.	IL		BCQs/SEQs /OSCE
152.	Diagnose the clinical features and extra articular manifestations of rheumatoid arthritis.	IL		BCQs/SEQs /OSCE
153.	Describe the presentations of seronegative arthritis and ankylosing spondylitis, reactive and psoriatic arthritis.	IL		BCQs/SEQs /OSCE
154.	Discuss the clinical features, diagnostic criteria of Systemic Lupus Erythematosus and its management.	IL		BCQs/SEQs /OSCE
155.	Describe the rationale for prescribing disease modifying drugs and approach to modern therapy in rheumatoid arthritis.	IL		BCQs/SEQs /OSCE
156.	Discuss the diagnosis of systemic sclerosis and CREST their similarities and differences.	IL/ SGD		BCQs/SEQs /OSCE
157.	Discuss the clinical features and management of Sjogren's syndrome.	IL		BCQs/SEQs /OSCE
158.	Identify the risk factors for osteoporosis and how to prevent and manage it.			
159.	Discuss the evaluation and treatment of folic acid, Vitamin A, B1, B2 and B12 deficiency	IL		BCQs/SEQs /OSCE
160.	Understand the basis of metabolic acidosis and lactic acidosis.	IL		BCQs/SEQs /OSCE
161.	Discuss the approach and management of dehydration and shock.	IL		BCQs/SEQs /OSCE
162.	Discuss the approach to diagnose and manage electrolyte imbalance.	IL/ SGD		BCQs/SEQs /OSCE
163.	<b>PROFESSIONALISM AND ETHICS</b>			

a)	Demonstrate skills in introducing himself/ herself to the patient before history taking	CR		OSCE/ Role play
b)	Communicate the problem list to the patients	CR		OSCE/ Role play
<b>PATIENT'S SAFETY</b>				
a)	Prescribe medication correctly as per patient needs	CR		OSCE
b)	Recognize high risk situations and describe approaches and processes associated with risk management	CR		OSCE
<b>COMMUNICATION SKILLS</b>				
a)	Inquire about symptoms and history of the presenting complaint	CR		OSCE/Role play
b)	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
<b><u>GENERAL SURGERY</u></b>				
164.	Demonstrate the responses to homeostasis & metabolic changes in response to Trauma and stress	IL	✓	BCQs/SEQs
165.	Describe Pathophysiology of shock ,types & management	IL	✓	BCQs/SEQs /OSCE
166.	Describe the management of hemorrhage, blood transfusion indication reaction and management.	IL/SGD	✓	BCQs/SEQs /OSCE
167.	Explain Sterilization, asepsis techniques of sterilization & Sterilization of OT, prevention of infection in OT and the preventive measures for doctors.	IL/CR	✓	BCQs/SEQs
168.	Discuss wounds types & management	IL/CR	✓	BCQs/SEQs
169.	Diagnose surgical infections and their management	IL/CR	✓	BCQs/SEQs /OSCE
170.	Describe the management of Chronic infection, Leprosy & TB	IL	✓	BCQs/SEQs
171.	Identify Abscess, Sinus fistula, subcutaneous swellings, ulcer types, cellulitis etc.	IL/SGD/CR	✓	BCQs/SEQs /OSCE
172.	Describe the problems of fluid electrolyte disturbances and the	IL/CR	✓	BCQs/SEQs

	correction			
173.	Discuss the Acid Base disturbances	IL/CR/P W	✓	BCQs/SEQs /OSCE
174.	Describe the Types of nutrition, values of various fluids, complications	IL/CR	✓	BCQs/SEQs /OSCE
175.	Discuss the principles of management of preop, post op cases	IL/CR/P W	✓	BCQs/SEQs /OSCE
176.	Describe various types of anesthesia and complications and peroperative care of patient.	IL/CR/P W	✓	BCQs/SEQs
177.	Describe skin & subcutaneous lesions.	IL/CR/P W/SGD	✓	BCQs/SEQs /OSCE
178.	Describes the diseases involving the salivary glands	IL/CR/P W/	✓	BCQs/SEQs /OSCE
179.	Describe the common benign Breast diseases and describe the malignant lesions their diagnosis, risk factors and principles of management	IL/CR	✓	BCQs/SEQs
180.	<b>PROFESSIONALISM AND ETHICS</b>			
a)	Describe basic principles of ethics with reference to social, cultural and religious perspective.	SGD		BCQs
b)	Discuss the role of doctor in community & Duties of a doctor.	SGD		BCQs
	<b>PATIENT'S SAFETY</b>			
a)	Demonstrate competency in using patient-centered interviewing skills in gathering biomedical and psychological information.	Role play		OSCE
b)	Demonstrate competency in seeking and developing relevant information from other sources, including the patient's family, with patient's consent.	Role play		OSCE
	<b>COMMUNICATION SKILLS</b>			

a)	Demonstrate competency in communicating effectively with patients.	Role Play		OSCE
b)	Use effective and efficient communication and management strategies	Role Play		OSCE
c)	Communicate in a manner that is respectful of and sensitive to the patient's and family's age, orientation, culture and beliefs	CR		OSCE

<b><u>BEHAVIORAL SCIENCE TOPICS INTEGRATION WITH OTHER DEPARTMENT</u></b>	<b><u>LO NUMBER</u></b>
<u>Oral Pathology</u>	<u>33</u>
<u>Periodontology</u>	<u>69</u>
<u>Oral Medicine</u>	<u>99</u>
<u>Operative Dentistry</u>	<u>136</u>
<u>General Medicine</u>	<u>163</u>
<u>General Surgery</u>	<u>180</u>

## ACADEMIC SCHEDULE

Commencement of 7 <sup>th</sup> Module		Weekly Schedule of Module VII ORAL PATHOLOGY	
Activity	Week	Lecture 1	Lecture 2
<b>Academic Session – BDS Third Professional</b>	Week- 1	Anomalies of number of teeth <b>LO (1-5)</b>	Anomalies of Size and Shape of teeth I <b>LO (1)</b>
	Week- 2	Anomalies of Size and Shape of teeth II <b>LO (1)</b>	Anomalies of Structure of teeth <b>LO (6-9)</b>
	Week- 3	Amelogenesis imperfect <b>LO (10)</b>	Dentinogenesis Imperfecta Hypercementosis <b>LO (10)</b>
	Week- 4	Definition and Etiology of dental Caries <b>LO (19-22, 24)</b>	Pathology of dental caries <b>LO (23, 27)</b>
	Week- 5	Histopathology of enamel caries <b>LO (25)</b>	Histopathology of dentin caries <b>LO (25)</b>
	Week- 6	Prevention of dental caries <b>LO (26)</b>	Pulpitis (Clinical features, Aetiology and Histopathology) <b>LO (11-12, 18)</b>
	Week- 7	Pulp polyp, Pulp calcification & Necrosis <b>LO (13 - 14)</b>	Periapical Periodontitis (Acute and chronic) <b>LO (17)</b>
	Week- 8	Spread of oral infections 1 <b>LO (29-30)</b>	Spread of oral infections II <b>LO (29-30)</b>
	Week- 9	Revision	<b>CAT -2</b>
	Week- 10	<b>Guest Lecture</b>	Case-Based Presentation of Students
	Week-11	Revision	Revision
	Week-12	Revision	Revision
	Week-13 and 14	<b>THEORY AND VIVA EXAMINATION</b>	



Commencement of 7 <sup>th</sup> 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 <b>LO (34-40)</b>
	Week- 2	Epidemiology/Etiology of Periodontal diseases <b>LO (41-42)</b>
	Week- 3	Dental Plaque <b>LO (43-47)</b>
	Week- 4	Dental Calculus <b>LO (48-54)</b>
	Week- 5	Microbiology Of Plaque Associated Periodontal Disease <b>LO (55-61)</b>
	Week- 6	Histopathogenesis Of Plaque Associated Periodontal Disease <b>LO (62-63)</b>
	Week- 7	Host Response In Periodontal Disease <b>LO (64-68)</b>
	Week- 8	Revision Of Module 7 topics
	Week- 9	Presentations
	Week- 10	Class Test
	Week-11	Revision
	Week-12	Revision
	Week-13 and 14	<b>THEORY AND VIVA EXAMINATION</b>

Commencement of 7 <sup>th</sup> Module		Weekly Schedule of Module VII ORAL MEDICINE
Activity	Week	Lecture 1
Academic Session – BDS Third Professional	Week- 1	History and examination <b>LO (70-72)</b>
	Week- 2	Investigations and X-Rays <b>LO (73-75)</b>
	Week- 3	Immunity <b>LO (76)</b>
	Week- 4	<b>Sterilization and disinfection</b> <b>LO(77-79)</b>
	Week- 5	<b>X_ray</b> <b>LO(80-81)</b>
	Week- 6	<b>Xray</b> <b>LO(82-83)</b>
	Week- 7	Bacterial infection <b>LO (84-91)</b>
	Week- 8	Fungal infection <b>LO (95- 98)</b>
	Week- 9	Viral infection <b>LO (91-94)</b>
	Week- 10	Revision
	Week-11	<b>CAT</b>
	Week-12	Revision
	Week-13 and 14	<b>THEORY AND VIVA EXAMINATION</b>

Commencement of 7 <sup>th</sup> 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 <b>LO (100-101)</b>	- Orientation to the Operative OPD - Identify restorative instruments - Demonstrate about positioning the patients and Dentist in OPD <b>LO (104-107)</b>	
	W/2	1. Pathogenesis of Dental caries. 2. Prevention of Dental caries. <b>LO (102-103)</b>	- Revision of the principles of cavity design of Class I, class I compound & V its restoration on patient tooth in OPD <b>LO (114,116,123)</b>	
	W/3	Examination and Diagnosis of Dental Caries. <b>LO (108)</b>	- Application of matrix band retainer, band & wedge on phantom tooth in skill lab  <b>LO(126,127)</b> - Understanding of Radiographs <b>LO (109-112)</b>	
	W/4	Examination and Diagnosis of Erosion, Attrition, Abrasion <b>LO (122)</b>	- Preparation & restoration of Class II Slot and III cavities on patients teeth in OPD  <b>LO (125 and 128)</b>	
	W/5	Examination and Diagnosis of cracked Tooth <b>LO (124)</b>	- Application of Rubber dam on phantom teeth in skill lab <b>LO (118-120)</b>	
	W/6	Selection of restorative materials. (Dental amalgam, tooth colored materials) <b>LO (129,136)</b>	-Demonstration of Endodontic Instruments <b>LO (133)</b>	
	W/7	Understand the methods of isolation, control of the operating field <b>LO (136)</b>	- Demonstration for root canal procedure on extracted tooth <b>LO (133-135)</b>	
	W/8	Cross infection control & sterilization in dentistry <b>LO (113 )</b>	Poster /Presentation/Quiz competition <b>Clinical OPD test (OSCE)</b>	
	W/9	Causes of restorative failure & postoperative problems <b>LO (130)</b>		
	W/10	Discuss steps of root canal procedure <b>LO(135)</b>		
	W/11	Discuss esthetic considerations in diagnosis and treatment planning <b>LO (132)</b>		
	W/12	Introduce the use of lasers in dentistry <b>LO (131)</b>		
	W/13	<b>Theory Exam</b>		
	W/14	<b>Practical/viva Exam</b>		

Commencement of 7 <sup>th</sup> Module		Weekly Schedule of Module VII GENERAL MEDICINE
Activity	Week	Lecture 1
Academic Session – BDS Third Professional	Week- 1	Acute coronary syndrome and angina (Investigations, Management and Complications) <b>LO (137)</b> Pneumonia (Clinical features, Assessment of severity and its Management). <b>LO (147)</b>
	Week- 2	Asthma (Pathogenesis, Clinical features, Evaluation and Treatment plan) <b>LO (143)</b> Electrolytes imbalance <b>LO (161,162)</b>
	Week- 3	Hypertension (Risks, Investigations & Management). <b>LO (140)</b> Tuberculosis (Etiology, Pathogenesis, Clinical features, Diagnostic tests, and Treatment). <b>LO (150)</b>
	Week- 4	Normal ECG, arrhythmias & MI. <b>LO (139)</b> COPD (Pathogenesis, Clinical features, Evaluation and Treatment plan) <b>LO (144)</b>
	Week- 5	Acute coronary syndrome (Investigations, Management and Complications). <b>LO (137)</b>
	Week- 6	Valvular Heart Diseases (Clinical features & its Management). <b>LO (141)</b> Pleural effusion (Pathogenesis, Etiology, Clinical picture and Management). <b>LO (149)</b>
	Week- 7	Rheumatic fever and RHD (Etiology, Risk factors, Clinical features, Treatment and Complications). <b>LO (142)</b> Pneumothorax (Pathogenesis, Etiology, Clinical picture and Management). <b>LO (149)</b>
	Week- 8	Restrictive lung diseases (Types, Clinical features and Management). <b>LO (145)</b> Nutritional Deficiency <b>LO (159,160)</b>
	Week- 9	Rheumatoid arthritis (Clinical features, Investigations and Treatment). <b>LO (152)</b> Infective endocarditis (Etiology, Clinical features, Investigations and Treatment). <b>LO (142)</b>
	Week- 10	Osteoarthritis (Etiology, Clinical features, Investigations and Management). <b>LO (151)</b> Systemic Lupus Erythematosus (Clinical features, Investigations, Diagnostic criteria and Management). <b>LO (154)</b>
	Week-11	Seronegative arthritis (Types, Clinical features, Investigations and Management). <b>LO (153)</b> Osteoporosis (Clinical features, Investigations, Prevention and Management). <b>LO (158)</b>
	Week-12	Systemic sclerosis and CREST (Clinical features, Investigations and Treatment). <b>LO (156)</b> Heart failure (Pathophysiology, Clinical manifestations and Management). <b>LO (138)</b>
	Week-13 and 14	<b>THEORY AND VIVA EXAMINATION</b>

Commencement of 7 <sup>th</sup> Module		Weekly Schedule of Module VII GENERAL SURGERY
Activity	Week	Lecture 1
Academic Session – BDS Third Professional	Week- 1	Metabolic response to trauma. <b>LO (164)</b>
	Week- 2	Shock, Types and their management. <b>LO (165)</b> Hemorrhage, types and management, Blood transfusion, indications, risks, complications, Blood Products. How to write transfusion notes. <b>LO (166)</b>
	Week- 3	Sterilization, asepsis, techniques of sterilization. OT Protocols & prevention of infection in Operation Theater. <b>LO (167)</b>
	Week- 4	Wounds types, factors affecting wound healing. Acute wounds, chronic wounds, scar and contractures. <b>LO (168)</b> Surgical infection, classification, SIRS & MODS, Role of Antibiotics. <b>LO (169)</b>
	Week- 5	Chronic infections & leprosy & tuberculosis. <b>LO (170)</b>
	Week- 6	Abscess, sinus, fistula, subcutaneous swellings, ulcer types, cellulitis etc. <b>LO (171)</b> Acid base, fluid electrolyte balance. <b>LO (172-173)</b>
	Week- 7	Surgical nutrition, calculation and products use. <b>LO (174)</b>
	Week- 8	General Anesthesia, Drugs and gases used and their complications. Spinal anesthesia, Local anesthesia, uses & complications. <b>LO (176)</b>
	Week- 9	Pain control methods, chronic pain, caused by malignancy. <b>LO (176)</b>
	Week- 10	Preop care with high risk cases, post op care & management. <b>LO (175)</b> Benign & malignant lesions of skin and skin vascular lesions. Abscess, sinus, fistula, subcutaneous swellings, ulcer types, cellulitis etc. <b>LO (177)</b>
	Week-11	Benign & malignant lesions of thyroid <b>LO (178)</b>
	Week-12	Breast Benign diseases. <b>LO (179)</b> Breast cancer & diagnostic methods used to detect malignancy. <b>LO (179)</b>
	Week-13 and 14	<b>THEORY AND VIVA EXAMINATION</b>

## MODULE VIII

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

S.No		Teaching strategy	Online Teaching	Assessment tool
	<b><u>ORAL PATHOLOGY</u></b>			
1.	Classify the cyst of jaws.	IL	✓	BCQs/SE Qs
2.	Explain the mechanism of radicular cyst formation.	SGD	✓	SEQs
3.	Describe the clinical and histopathological features of odontogenic cysts.	IL	✓	BCQs/SE Qs/OSPE
4.	Compare clinical, histological and radiological features of dentigerous cysts and odontogenic keratocyst.	SGD	✓	BCQs/SE Qs/OSPE
5.	Discuss odontogenic developmental cysts in detail.	SGD	✓	BCQs/SE Qs
6.	Describe the features of naevoid basal cell carcinoma syndrome (NBCCS).	SGD	✓	BCQs/OSPE
7.	Give an account of non-odontogenic epithelial cysts.	IL	✓	BCQs/SE Qs
8.	Discuss the clinical and histological features of soft tissue cysts (skin, mucous membrane and glandular).	IL	✓	BCQs/SE Qs/OSPE
9.	Discuss in detail the non-epithelial cysts of jaws.	IL	✓	BCQs/SE Qs
10.	Classify odontogenic and non-odontogenic tumors of jaws.	IL	✓	BCQs/SE Qs
11.	Describe the clinical, radiological and histological features of Ameloblastoma.	IL	✓	BCQs/SE Qs
12.	Discuss clinical, radiological and histological features of calcifying epithelial odontogenic tumor.	SGD	✓	BCQs/SE Qs
13.	Define odontomes and differentiate between Compound and Complex odontomes.	SGD	✓	OSPE

14.	Discuss mesenchymal tumors	IL	✓	BCQs/SE Qs
15.	Differentiate between the premalignant lesions & conditions of oral cavity.	SGD	✓	BCQs/SE Qs/OSP E
16.	Discuss etiopathogenesis, histological and clinical features of oral submucous fibrosis.	IL/SGD	✓	BCQs/SE Qs/OSPE
17.	Describe etiopathogenesis, types, and clinical features of oral lichen planus.	IL	✓	BCQs/SE Qs/OSPE
18.	Define the key features of epithelial dysplasia.	SGD	✓	SEQs
19.	Describe etiology, types, and clinical features of leukoplakia.	IL	✓	BCQs/SE Qs/OSPE
20.	Discuss etiology and clinical features of oral squamous cell carcinoma	SGD	✓	BCQs/SE Qs
21.	Discuss the infective, obstructive and traumatic disorders of major salivary glands.	IL/SGD	✓	BCQs/SE Qs/OSPE
22.	Discuss necrotizing sialometaplasia and sjögren syndrome in detail.	IL/SGD	✓	BCQs/SE Qs
23.	Classify the tumors of salivary glands.	IL	✓	BCQs/SE Qs
24.	Define xerostomia and enlist its causes.	IL	✓	BCQs/SE Qs
25.	Describe the clinical and histological features of pleomorphic adenoma, warthin's tumour and mucoepidermoid carcinoma.	IL	✓	BCQs/SE Qs/OSPE
26.	Identify the Stafne bone defect on a radiograph	PW	✓	OSPE
27.	Identify the clinical images of precancerous lesions & conditions	PW	✓	OSPE
28.	<b>PROFESSIONALISM AND ETHICS</b>			
a)	Demonstrate Competency in behaving ethical manner with patients, coworkers and the public to gain interest.	PBL		OSCE
	<b>PATIENT'S SAFETY</b>			
a)	To know the use and significance of Personal protective Equipments in patient management. To follow WHO guide line in PPE use.	SGD	✓	OSCE

b)	Discusses impact of human factors on patient safety	SGD	✓	OSCE
<b>COMMUNICATION SKILLS</b>				
a)	Use written record, electronic medical record or other digital technologies while communicating with supervisor and patient.	SGD	✓	OSCE
b)	Demonstrate interpersonal, intercultural and technologically mediated communication from multiple perspective.	PBL		BCQ
<b><u>PERIODONTOLOGY</u></b>				
29.	Define periodontal disease.	CR	✓	BCQs/SE Qs
30.	Describe the classification system of periodontal diseases.	CR	✓	BCQs/SE Qs
31.	Discuss the need for classification.	CR	✓	BCQs/SE Qs
32.	Discuss Dental plaque induced gingival diseases	CR	✓	BCQs/SE Qs /CP
33.	Define Desquamative gingivitis.	IL/CR	✓	BCQs/SE Qs/ OSCE/CP
34.	Discuss the systematic approach for diagnosis of Desquamative gingivitis.	SGD	✓	BCQs/SE Qs/CP
35.	List the diseases that can be clinically presented as Desquamative gingivitis.	SGD/CR	✓	BCQs/SE Qs/CP
36.	Define periodontal pockets	IL/SGD	✓	BCQs/SE Qs /OSCE/ CP
37.	List the classification of periodontal pockets.	IL	✓	BCQs/SE Qs /OSCE/ CP
38.	Describe the procedure of determining the pocket depth.	IL/CR	✓	BCQs/SE Qs/CP
39.	Describe and differentiate true and false pockets.	IL/CR	✓	BCQs/SE Qs/CP
40.	Enumerate the clinical features of periodontal pockets.	IL/CR	✓	BCQs/SE



				Qs/OSCE / CP
41.	Explain the pathogenesis of periodontal diseases.	IL	✓	BCQs/SE Qs/OSCE / CP
42.	Discuss the histopathology of periodontal pockets with emphasis on changes in the soft tissue and hard tissue wall.	IL/CR	✓	BCQs/SE Qs/CP
43.	Discuss healing of periodontal pockets.	IL	✓	BCQs/SE Qs/CP
44.	Discuss the contents of periodontal pockets.	CR	✓	BCQs/SE Qs/OSCE / CP
45.	Define and distinguish between supra bony and infra bony pockets.	SGD	✓	BCQs/SE Qs/OSCE / CP
46.	Describe the pattern of bone Loss in periodontal disease.	SGD/CR	✓	BCQs/SE Qs/OSCE / CP
47.	Define and discuss periodontal cyst.	CR	✓	BCQs/SE Qs/OSCE / CP
48.	Discuss benign and malignant tumors of gingiva.	CR	✓	BCQs/SE Qs/OSCE / CP
49.	Discuss etiology, clinical features and management of Fibrous epulis, Fibroma, Papilloma	SGD/CR	✓	BCQs/SE Qs/OSCE / CP
50.	Discuss etiology, clinical features and management of Central giant cell granuloma	SGD/CR	✓	BCQs/SE Qs/OSCE / CP
51.	Discuss etiology, clinical features and management of Peripheral giant cell granuloma	SGD/CR	✓	BCQs/SE Qs/OSCE / CP
52.	Discuss etiology, clinical features and management of Leukoplakia	SGD/CR	✓	BCQs/SE Qs/OSCE / CP

53.	Discuss etiology, clinical features and management of Gingival cyst	SGD/CR	✓	BCQs/SE Qs/OSCE / CP
54.	Discuss etiology, clinical features and management of Squamous cell carcinoma	SGD/CR	✓	BCQs/SE Qs/OSCE / CP
55.	Discuss etiology, clinical features and management of Malignant melanoma	SGD/CR	✓	BCQs/SE Qs/OSCE / CP
56.	Discuss false enlargements of gingival tissues.	IL	✓	BCQs/SE Qs/OSCE / CP
57.	Define abscess.	IL/CR	✓	BCQs/SE Qs/OSCE / CP
58.	Discuss classification of abscess.	SGD	✓	BCQs/SE Qs/CP
59.	Define periodontal abscess.	IL/SGD/CR	✓	BCQs/SE Qs/OSCE /CP
60.	Define pericoronal abscess.	SGD	✓	BCQs/SE Qs/OSCE / CP
61.	Discuss the difference between Acute and chronic periodontal abscess.	SGD/CR	✓	BCQs/SE Qs/CP
62.	List the clinical features of acute and chronic periodontal abscess.	IL/CR	✓	BCQs/SE Qs/CP
63.	Describe radiographical signs of periodontal abscess.	IL/CR	✓	BCQs/SE Qs/OSCE / CP
64.	Discuss treatment options for periodontal abscess.	CR	✓	BCQs/SE Qs/OSCE / CP
65.	Describe the indications for antibiotic therapy in patients with acute periodontal abscess.	CR	✓	BCQs/SE Qs/OSCE / CP

<b>66.</b>	<b>PROFESSIONALISM AND ETHICS</b>			
a)	Describe basic principles of ethics with reference to social, cultural and religious perspective.	CR/SGD	✓	BCQs
b)	Discuss the role of doctor in community & Duties of a doctor.	CR/SGD	✓	BCQs
c)	Demonstrate competency in behaving in ethical manner with patients, coworkers and the public to gain trust.	CR		OSCE
d)	Analyze ethical issues/dilemmas in healthcare practice.	CR		OSCE
e)	Demonstrate competencies in resolving ethical issues faced during common clinical scenarios.	CR		OSCE
f)	Demonstrate competencies in avoiding potential ethical conflicts with pharmaceutical and other health industry providers.	CR		OSCE
g)	Differentiate between justice and equity.	CR/SGD	✓	BCQ
h)	Apply professional code of ethics guidance given in PMC & HEC in given clinical scenarios.	CR		OSCE
i)	Demonstrate through knowledge and behavior, a commitment to the highest standards of competence, ethics, integrity and accountability to the patient and profession.	CR		OSCE
j)	Demonstrate Competency in behaving ethical manner with patients, coworkers and the public to gain interest.	CR		OSCE
	<b>PATIENT'S SAFETY</b>			
a)	Demonstrate competency in a establishing a therapeutic and professional relationship with patients and their families.	CR		OSCE
b)	Demonstrate competency in using patient-centered interviewing skills in gathering biomedical and psychological information.	CR		OSCE
c)	Demonstrate competency in seeking and developing relevant information from other sources, including the patient's family, with patient's consent.	CR		OSCE
d)	Recognize adverse events and errors.	CR/SGD	✓	OSCE
e)	Demonstrate competency in using patient-centered interviewing skills in gathering biomedical and psychological information.	CR		OSCE
f)	Discusses modern theory and principles of safety—for healthcare and non-healthcare industries	CR/SGD	✓	OSCE
g)	Discusses impact of human factors on patient safety	CR		OSCE
h)	Describes clinical and administrative indicators of safety and safe delivery of high-quality care	CR		OSCE
i)	Demonstrates ability to analyze process and outcomes measures, data and impact on quality and safety	CR		OSCE

<b>COMMUNICATION SKILLS</b>				
a)	Demonstrate competency in communicating effectively with patients.	CR		OSCE
b)	Demonstrate competency in breaking the bad news to patient.	Role Play		OSCE
c)	Demonstrate competency communicating effectively about ethical issues with patients and their family.	CR		OSCE
d)	Use effective and efficient communication and management strategies	Role Play		OSCE
e)	Use written record, electronic medical record or other digital technologies while communicating with supervisor and patient.	SGD	✓	OSCE
f)	Communicate in a manner that is respectful of and sensitive to the patient's and family's age, orientation, culture and beliefs	CR		OSCE
g)	Demonstrate competency communicating effectively about ethical issues with patients and their family.	CR		OSCE
h)	Communicate patient using non-verbal behavior & appropriate voice tone.	CR		OSCE
i)	Communicate using patient-centered approach that encourages patient trust and autonomy which should be characterized by empathy, respect and compassion.	CR		OSCE
j)	Demonstrate empathy while communicating with patients.	CR		OSCE
k)	Demonstrate interpersonal, intercultural and technologically mediated communication from multiple perspectives.	PBL	✓	BCQ
<b><u>ORAL MEDICINE</u></b>				
67.	List and differentiate normal oral mucosal variants from pathological lesions.	IL/ SGD	✓	SEQs
68.	Classify Red and White lesions	IL/SGD	✓	SEQs/OSCE
69.	Enumerate the causes of red and white lesions of oral mucosa.	IL/ SGD	✓	BCQs/SEQs/OSCE
70.	Classify the types of leukoplakia.	IL	✓	BCQs/SEQs/OSCE
71.	Describe management for leukoplakia.	IL/ CBL	✓	SEQs
72.	Discuss clinical features and management of Erythroplakia.	IL/CBL	✓	BCQs/SEQs
73.	Discuss the clinical features of Oral Submucous Fibrosis	IL	✓	SEQs

74.	Classify Oral ulcers	IL/ CR	✓	SEQs/Viva a
75.	List etiological factors for recurrent Aphthous ulceration.	IL	✓	SEQs
76.	Discuss the types and clinical features of recurrent Aphthous ulceration	IL/ CR	✓	SEQs/ Viva
77.	Interpret investigations involved in diagnosis of recurrent Aphthous ulceration	IL/ CR	✓	SEQs/ Viva
78.	Describe the management of recurrent Aphthous ulceration.	IL/ CR	✓	SEQs/OS CE
79.	Define vesiculo-bullous diseases.	IL	✓	SEQs
80.	List differential diagnosis of various vesiculo-bullous lesions of oral cavity.	IL/ SGD	✓	SEQs/ OSCE
81.	Discuss the clinical features and management of Behçet's syndrome	IL	✓	CQ
82.	Differentiate between Mucous membrane pemphigus and Mucous membrane pemphigoid.	IL/CBL	✓	SEQs/ Viva
83.	Discuss the cause and clinical features of Mucous membrane pemphigoid	IL/CBL	✓	SEQs/OS CE/ Viva
84.	Discuss the cause and clinical features of pemphigus vulgaris.	IL/CBL	✓	SEQs/OS CE/ Viva
85.	Discuss investigations necessary to diagnose pemphigus vulgaris and Mucous membrane pemphigoid.	IL/CBL	✓	SEQs
86.	Describe the histological difference between Mucous membrane pemphigus and Mucous membrane pemphigoid.	IL/ SGD	✓	CQ
87.	Discuss various treatment options involved in pemphigus vulgaris and Mucous membrane pemphigoid.	IL/ SGD/ CBL	✓	SEQs/OS CE
88.	Describe the causes, clinical features and management of erythema multiforme.	IL/ SGD/ CBL	✓	SEQs/OS CE
89.	Define premalignant lesion.	IL	✓	SEQs/ Viva
90.	Define premalignant condition.	IL	✓	SEQs/ Viva
91.	Differentiate between premalignant lesion and premalignant	IL/CBL	✓	BCQs/

	condition			SEQs
92.	List and discuss various premalignant lesions of oral cavity.	IL/CBL	✓	BCQs/ SEQs
93.	List and discuss various premalignant conditions of oral cavity	IL/SGD	✓	BCQs/ SEQs
94.	Discuss the principles for management of dysplastic lesions	IL/ SGD	✓	Viva
95.	Discuss various risk factors for malignant changes in oral lesions.	IL/ SGD	✓	SEQs/ Viva
96.	Discuss clinical features and management of Erythroplakia.	IL	✓	SEQs/ OSCE
97.	Discuss clinical features and management of Leukoplakia.	IL	✓	SEQs/ OSCE
98.	Discuss clinical features and management of chronic hyperplastic candidiasis.	IL	✓	SEQs/SE Q/VIVA
99.	Discuss the causes, clinical features and management of Oral sub mucous fibrosis.	IL/ SGD/CBL	✓	SEQs/OS CE/ Viva
100.	Describe the role of general dental practitioner in management of precancerous and cancerous lesions.	IL	✓	Viva/OSC E
101.	Discuss prevention and medical management of pre-cancerous lesions and conditions	IL	✓	SEQs
102.	List the causes of Glossitis.	IL	✓	SEQs
103.	Discuss the clinical features and management of Erythema migrans.	IL	✓	BCQs/ SEQs
104.	Discuss the clinical features and management of median rhomboid glossitis.	IL	✓	BCQs/SE Qs
105.	Describe the causes of macroglossia.	IL	✓	BCQs/ SCQ/VIV A
106.	Discuss the cause, investigations and treatment options involved in Amyloidosis	IL	✓	BCQ/SE Q/VIVA
107.	List the causes of pain in oral and maxillofacial region.	IL/ SGD/ CBL	✓	Viva/SEQ
108.	Discuss clinical features, diagnosis and management of	IL/ SGD/	✓	BCQs/ SEQs/

	trigeminal neuralgia.	CBL		Viva
109.	Discuss the clinical features and management of atypical facial pain.	IL	✓	BCQs/ CQ
110.	Discuss the clinical features and management of burning mouth syndrome.	IL	✓	BCQs/ CQ
111.	List the causes of facial palsy	IL/ SGD/	✓	BCQs/SE Qs/ OSCE
112.	Describe the management of Bell's palsy.	IL/ SGD/	✓	BCQs/SE Qs/OSCE
113.	Discus basic anatomy and physiology of Temporomandibular Joint and the pathologies related to it,	IL/ SGD/	✓	BCQs/SE Qs/ viva
114.	Evaluate TMJ pain and dysfunction	IL/ SGD/	✓	BCQs/SE Qs/ viva
115.	Assess patients for potential TMD risk factors	IL/ SGD/	✓	BCQs/SE Qs/ viva
116.	Apply clinical examination findings to determine patient's TMD diagnoses	IL/ SGD/	✓	BCQs/SE Qs/ viva
117.	List the most commonly used physical, medication, and behavioral treatment modalities for TMD	IL/ SGD/	✓	BCQs/SE Qs/ viva
118.	Implement a TMD treatment protocol, including TMD self-management strategies	IL/ SGD/	✓	BCQs/SE Qs/ viva
119.	Assess the patient with TMJ disc derangement	IL/ SGD/	✓	BCQs/SE Qs/ viva
120.	List the management of TMJ disc derangement	IL/ SGD/	✓	BCQs/SE Qs/viva
121.	Discuss the adverse effects of radiotherapy in Oral & Maxillofacial region.	IL/ SGD	✓	OSCE/ Viva
122.	Discuss the role of general dentist in management of patients undergoing radiotherapy.	IL/ SGD	✓	BCQs/ OSCE/ Viva
123.	<b>PROFESSIONALISM AND ETHICS</b>			
a)	Demonstrate skills in introducing himself/ herself to the	SGD		

	patient before history taking			
b)	Take informed consent from the patient before commencing treatment.	SGD		
c)	Demonstrate the professional attributes of a learner, colleague and physician in training.	SGD		
d)	Describe the basic principles of ethics with reference to social, cultural and religious perspectives.	SGD		
<b>COMMUNICATION SKILLS</b>				
a)	Demonstrate positive gestures to the patient.	SGD		
b)	Demonstrate competency in preparing and delivering high impact presentations	SGD		
<b><u>PROSTHODONTICS</u></b>				
124.	Inquire about symptoms and history of the presenting complaint	IL	✓	CQ
125.	Interpret consequences of tooth loss	IL	✓	CQ
126.	Rationalize the need of prosthesis	IL	✓	CQ
127.	Identify the types of prosthodontics treatment modalities.	CBL	✓	OSCE/VI VA
128.	Identify partial dentulism according to Kennedy's Classification	CBL	✓	OSCE/VI VA
129.	Apply Applegate's rules on different dentate states	CBL	✓	OSCE/VI VA
130.	Enumerate the need for classifications systems	CBL	✓	OSCE/VI VA
131.	Choose appropriate treatment modality according to number of teeth missing with justification.	CBL	✓	OSCE/VI VA
132.	Justify the prescription of removable partial denture in a patient.	CBL	✓	OSCE/VI VA
133.	Classify removable partial dentures according to support.	CBL	✓	OSCE/VI VA
134.	Enumerate the types of removable partial dentures on the basis of material, uses and clinical requirements.	CBL	✓	OSCE/VI VA
135.	Apply material science for fabrication of cast removable	CBL	✓	OSCE/VI



	partial dentures.			VA
136.	List the uses of interim removable partial dentures.	IL	✓	OSCE/VI VA
137.	Justify the prescription of interim removable partial dentures.	IL/CR		OSCE/VI VA
138.	Design interim removable partial dentures.	CR		OSCE/VI VA
139.	Outline clinical and laboratory procedures for interim removable partial dentures.	IL/CR		OSCE/VI VA
140.	Design interim removable prosthesis	CR		SC
141.	Demonstrate skill in provide block out and relief according to the situation	CR		SC
142.	Demonstrate skill in recording occlusal relationships in partially dentate individuals.	CR		SC
143.	Select appropriate occlusal relationships method in partially dentate individuals.	CR		SC
144.	Perform the process of acrylic processing, finishing and polishing the dentures.	CR		PW
145.	Adjust acrylic removable partial dentures in patient's mouth.	CR		PW
146.	Identify common pressure areas encountered.	IL/CR		OSCE/P W
147.	Apply disinfection protocols for impressions and removable prosthesis.	IL/CR		OSCE/VI VA
148.	Sequencing of clinical and laboratory procedures for interim removable partial dentures.	CR		OSCE
149.	Recognize the need of omitting or joining one or more fabrication steps of removable partial denture.	CR		OSCE
150.	Fabricate removable partial dentures for partially dentate patients.	CR		PW
151.	Outline treatment planning protocol of a prosthodontics patient.	IL	✓	OSCE/VI VA
152.	Enumerate favorable history and examination in sequence	IL	✓	OSCE/VI VA
153.	Record a comprehensive history of a prosthodontics patient.	CR		OSCE/VI VA

154.	Perform extra oral and intraoral examination on a patient.	CR		OSCE/VI VA
155.	Identify functional and non-functional cusps.	IL/CR		OSCE
156.	Identify occlusal scheme clinically.	IL/CR		OSCE
157.	Perform basic dental charting and periodontal examination of teeth	CR		OSCE
158.	Prescribe basic investigations like periapical and OPG radiographs.	IL/CR		OSCE/VI VA
159.	Identify the need of impression tray modification.	CR		OSCE/VI VA
160.	Make diagnostic impressions with alginate impression material.	CR		PW
161.	Identify problems in alginate impressions with reasons.	CR		OSCE/VI VA
162.	Manage a patient with an exaggerated gag reflex under supervision	CR		PW
163.	Rationalize the need of diagnostic maxillomandibular relation in different partially dentate states.	CR/CBL		PW/VIV A
164.	Analyze diagnostic casts.	CR/IL		OSCE
165.	Measure pontic space.	CR		OSCE/P W
166.	Delineate the steps of performing definitive oral examination.	IL	✓	OSCE/VI VA
167.	Interpret diagnostic data.	IL/CR		OSCE
168.	Develop the basic phases of treatment plan.	IL/CR		OSCE
169.	Formulate a differential and a definitive diagnosis.	CR/CBL		OSCE
170.	Refer a patient to appropriate specialist.	CR		OSCE
171.	Write a referral.	CR		OSCE
172.	Counsel the patient regarding consequences of tooth removal without replacement.	CR		OSCE
173.	Identify patient needs.	CR		PW
174.	Formulate treatment options in relation to patient needs.	CR/CBL		OSCE/P W

175.	Communicate the diagnosis and treatment options to the patient in an appreciable manner.	CR		OSCE
176.	Write a patient record note.	CR		OSCE
177.	Select appropriate material used for denture framework.	IL	✓	OSCE
178.	Define connector, major connector and minor connector.	IL	✓	CQ
179.	Enumerate the functions and requirements of major connectors.	IL	✓	CQ
180.	Explain the basic types of mandibular and maxillary major connectors.	IL/CBL		CQ
181.	Outline the guidelines related to location of connectors in the oral cavity.	IL	✓	CBL
182.	Select mandibular major connectors according to space requirements in a given clinical scenario.	IL/CBL		CBL
183.	Describe the basic design characteristics of major connectors.	IL	✓	CQ
184.	Define minor connector.	IL	✓	CQ
185.	Enumerate the functions of minor connectors.	IL	✓	CQ
186.	Distinguish between rest and rest seat.	IL	✓	CQ
187.	Delineate the functions of rests.	IL	✓	CQ
188.	Differentiate between the different types of rests and rest seats in relation to their form and location.	IL/CBL		CQ
189.	Outline the guidelines for support of rests.	IL	✓	CQ
190.	Define direct retainers.	IL	✓	CQ
191.	Classify types of direct retainers.	IL	✓	CQ
192.	Define clasp assembly.	IL	✓	CQ
193.	Distinguish between parts of clasp assembly in regard to retention, support, stability and reciprocation.	IL	✓	CQ
194.	Relate height of contour, supra bulge and infrabulge areas for retentive clasps.	IL	✓	CQ
195.	Associate retentive factors of clasps with tooth factors	IL	✓	CQ
196.	Outline the basic principles governing clasp design.	IL	✓	CQ

197.	Define denture bases	IL	✓	CQ
198.	Enumerate the ideal requirements of denture bases.	IL	✓	CQ
199.	Relate denture base requirements to support mechanism of removable partial denture.	IL/CBL		CBL
200.	Differentiate between metal and acrylic resin denture bases.	IL	✓	CBL
201.	Outline the functions of denture bases.	IL	✓	CQ
202.	Anticipate changes in denture base design for tooth tissue supported prosthesis.	IL	✓	CBL
203.	List movements of tooth tissue supported dentures	IL	✓	CQ
204.	Correlate concepts of fulcrum, effort and resistance in lever principle.	IL	✓	CQ
205.	Relate the movement of the removable partial denture to lever principle.	IL	✓	CQ
206.	Differentiate between tooth supported and tooth tissue supported removable partial dentures.	IL/CBL		CBL
207.	Select an impression material in different partially dentate conditions.	CR		OSCE/VI VA/PW
208.	Select an impression technique in different partially dentate states.	IL/CR		OSCE/VI VA/PW
209.	Demonstrate skill in pouring a cast.	CR		PW
210.	Identify inaccurate or weak cast.	CR		OSCE/VI VA
211.	Rationalize the need for making individual trays.	IL/CR		OSCE/VI VA
212.	Enumerate the steps for making individual trays.	IL/CR		OSCE/VI VA
213.	Distinguish between anatomic and functional form of residual ridge.	IL	✓	OSCE/VI VA
214.	Make an impression using composition and alginate for distal extension bases.	CR		PW
215.	Define overjet, overbite, buccal overlap, centric relation, centric occlusion, and maximum intercuspation, curve of Spee and curve of Monsoon.	IL	✓	CQ

216.	Enumerate desirable occlusal contact relationships for removable partial dentures.	IL	✓	CQ
217.	Select a method for establishing occlusal relationships according to different partially dentate conditions.	CBL/CR		CBL/PW
218.	Demonstrate the making of proper record blocks and occlusal rims on cast framework.	CR		OSCE/PW
219.	Perform acrylic processing, finishing and polishing the dentures.	CR		PW
220.	Explain the methods for adjusting the bearing surfaces of denture bases.	IL	✓	VIVA
221.	Adjust acrylic removable partial dentures in patient's mouth.	CR		PW
222.	List common pressure areas encountered.	IL	✓	VIVA
223.	Outline sequence protocol for fitting of framework in the oral cavity.	IL/CR		VIVA
224.	Enumerate methods for adjusting occlusion.	IL/CR		VIVA
225.	Instruct the patient for difficulties that may be encountered during denture service.	CR		OSCE
226.	Rationalize the follow up appointments for partial denture patients.	IL/CR		OSCE/VIVA
227.	<b>PROFESSIONALISM AND ETHICS</b>			
a)	Discuss the role of doctor in community & Duties of a doctor.	CR		OSCE
b)	Demonstrate competency in behaving in ethical manner with patients, coworkers and the public to gain trust.	CBL		OSCE
c)	Analyze ethical issues/dilemmas in healthcare practice.	CBL		OSCE
d)	Demonstrate competencies in resolving ethical issues faced during common clinical scenarios.	CBL		OSCE
e)	Demonstrate competencies in avoiding potential ethical conflicts with pharmaceutical and other health industry providers.	Role Play		OSCE
f)	Apply professional code of ethics guidance given in PMDC & HEC in given clinical scenarios.	Role Play		OSCE
	<b>PATIENT'S SAFETY</b>			OSCE
a)	Demonstrate competency in a stablishing a therapeutic and professional relationship with patients and their families.	CBL		OSCE
b)	Demonstrate competency in using patient-centered interviewing skills in gathering biomedical and psychological information.	Role Play		OSCE

c)	Demonstrate competency in seeking and developing relevant information from other sources, including the patient's family, with patient's consent.	Role Play		OSCE
	<b>COMMUNICATION SKILLS</b>			OSCE
a)	Demonstrate competency in communicating effectively with patient.	CBL		OSCE
b)	Demonstrate competency in breaking the bad news to patient.	Role Play		OSCE
c)	Demonstrate competency communicating effectively about ethical issues with patients and their family.	CBL		OSCE
d)	Use effective and efficient communication and management strategies	Role Play		OSCE
e)	Use written record, electronic medical record or other digital technologies while communicating with supervisor and patient.	SGD		OSCE
	<b><u>GENERAL MEDICINE</u></b>			
228.	Discuss the pathogenesis, clinical manifestations, investigations and management of gastroesophageal reflux disease	IL		BCQ/SE Q/OSCE
229.	Discuss the approach to a patient with peptic ulcer disease its pathogenesis, investigation and their management.	IL		BCQ/SE Q/OSCE
230.	Prescribe the management of Helicobacter pylori gastritis and other gastritis	IL		BCQ/SE Q/OSCE
231.	Discuss the evaluation and management of upper GI bleeding.	IL		BCQ/SE Q/OSCE
232.	Discuss the pathogenesis, clinical manifestations, investigations and management of inflammatory bowel disease.	IL/ SGD		BCQ/SE Q/OSCE
233.	Differentiate between acute and chronic pancreatitis in symptoms and management.	IL		BCQ/SE Q/OSCE
234.	Describe the signs and symptoms of cirrhosis of the liver and its complications as portal hypertension	IL		BCQ/SE Q/OSCE
235.	Difference between acute and chronic hepatitis.	IL/ SGD		BCQ/SE

				Q/OSCE
236.	Describe the different types and clinical manifestations of diabetes.	IL/ SGD		BCQ/SE Q/OSCE
237.	Describe the management of common diabetic emergencies.	IL/ SGD		BCQ/SE Q/OSCE
238.	Describe the complications and treatment of DM.	IL		BCQ/SE Q/OSCE
239.	Describe the etiology, pathogenesis, clinical features, diagnostic tests, and treatment of Nephritic syndrome	IL		BCQ/SE Q/OSCE
240.	Discuss the etiology, pathogenesis, clinical features, diagnostic tests, and treatment of acute renal failure	IL		BCQ/SE Q/OSCE
241.	Define Urinary tract infections along with their evaluation and treatment	IL		BCQ/SE Q/OSCE
242.	Discuss the etiology, pathogenesis, clinical features, diagnostic tests, and treatment of chronic renal failure	IL/ SGD		BCQ/SE Q/OSCE
243.	Describe the clinical features, diagnostic tests, and treatment of post streptococcal glomerulonephritis	IL		BCQ/SE Q/OSCE
244.	Describe the various clinical presentations of intrinsic renal disease and their causes.	IL/ SGD		BCQs/SE Qs/OSCE
245.	Describe the etiology, pathogenesis, clinical features, diagnostic tests, and treatment of Nephrotic syndrome	IL		BCQs/SE Qs/OSCE
246.	Recognize the clinical features of eczema and psoriasis.	IL		BCQ/SE Q/OSCE
247.	Recognize fungal and viral infections of skin and its management.	IL		BCQ/SE Q/OSCE
248.	Discuss the skin manifestation of systemic diseases	IL		BCQ/SE Q/OSCE
249.	Recognize erythema nodosum and the conditions with which it is associated.	IL		BCQ/SE Q/OSCE
250.	<b>PROFESSIONALISM AND ETHICS</b>			
a)	Describe basic principles of ethics with reference to social, cultural and religious perspective.	SGD		BCQs
b)	Discuss the role of doctor in community & Duties of a	SGD		BCQs

	doctor.			
	<b>PATIENT'S SAFETY</b>			
a)	Demonstrate competency in using patient-centered interviewing skills in gathering biomedical and psychological information.	Role play		OSCE
b)	Demonstrate competency in seeking and developing relevant information from other sources, including the patient's family, with patient's consent.	Role play		OSCE
	<b>COMMUNICATION SKILLS</b>			
a)	Demonstrate competency in breaking the bad news to patient.	Role Play		OSCE
b)	Use effective and efficient communication and management strategies	Role Play		OSCE
	<b>GENERAL SURGERY</b>			
251.	Describe Primary & Secondary survey and the management	IL/CR/PW	✓	BCQs/SE Qs/OSCE
252.	Describe Triage and blast injuries	IL/CR/PW	✓	BCQs/SE Qs/OSCE
253.	Explain the role of ICU in the management of trauma	IL/CR	✓	BCQs/SE Qs
254.	Describes Types and management of burns and can write principles of Fluid electrolytes management	IL/CR	✓	OSCE
255.	Describe types of fractures & management of extremity fracture.	IL/CR	✓	BCQs/SE Qs
256.	Describe fractures of pelvic bone & spine	IL	✓	BCQs
257.	Describe the management of Head injury and cervical spine	IL/SGD	✓	BCQs/SE Qs/OSCE
258.	Describe the maxillofacial fracture and complications& immediate management	IL/CR	✓	BCQs/SE Qs/OSCE
259.	Describe the traumatic injuries of neck, trachea and oropharynx.	IL	✓	BCQs



260.	Describe the chest injuries and their management	IL/CR	✓	BCQs/SE Qs/OSCE
261.	Describe the Abdominal injuries	IL/SGD/CR	✓	BCQs/SE Qs/OSCE
262.	Describe the Pelvic injuries and associated perineal injuries	IL/SGD/CR	✓	BCQs/SE Qs/OSCE
263.	Describe skin grafts, types flaps and complications	IL	✓	BCQs
264.	Describe the congenital deformities of face, lips & palate	IL	✓	BCQs/SE Qs
265.	Discuss infections and tumours of bones especially of Head and Neck area	IL/CR/PW	✓	BCQs/SE Qs/OSCE
266.	Describe the management of diabetic foot and other acute and chronic infections of bone.	IL/CR/PW	✓	BCQs/SE Qs/OSCE
267.	Describe metabolic diseases of bone.	IL	✓	BCQs/SE Qs
268.	Describe the benign and malignant diseases of thyroid	IL/CR/PW	✓	BCQs/SE Qs/OSCE
269.	Demonstrate the various other neck lesions	IL	✓	BCQs
270.	<b>PROFESSIONALISM AND ETHICS</b>			
a)	Describe basic principles of ethics with reference to social, cultural and religious perspective.	SGD		BCQs
b)	Discuss the role of doctor in community & Duties of a doctor.	SGD		BCQs
	<b>PATIENT'S SAFETY</b>			
a)	Demonstrate competency in using patient-centered interviewing skills in gathering biomedical and psychological information.	Role play		OSCE
b)	Demonstrate competency in seeking and developing relevant information from other sources, including the	Role play		OSCE

	patient's family, with patient's consent.			
	<b>COMMUNICATION SKILLS</b>			
a)	Demonstrate competency in communicating effectively with patients.	Role Play		OSCE
b)	Use effective and efficient communication and management strategies	Role Play		OSCE
c)	Communicate in a manner that is respectful of and sensitive to the patient's and family's age, orientation, culture and beliefs	CR		OSCE

<u>BEHAVIORAL SCIENCE TOPICS INTEGRATION WITH OTHER DEPARTMENT</u>	<u>LO NUMBER</u>
<u>Oral Pathology</u>	<u>28</u>
<u>Periodontology</u>	<u>66</u>
<u>Oral Medicine</u>	<u>123</u>
<u>Prosthodontics</u>	<u>227</u>
<u>General Medicine</u>	<u>250</u>
<u>General Surgery</u>	<u>270</u>

Commencement of 8 <sup>th</sup> 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 <b>LO (1, 4)</b>	Radicular Cyst <b>LO (2)</b>
	Week- 2	Odontogenic Keratocyst tumor <b>LO (4, 6)</b>	Odontogeniccyst of jaws <b>LO (3)</b>
	Week- 3	Non-Odontogenic cyst of jaws <b>LO (7)</b>	False Cyst and soft tissue cyst of Jaws <b>LO (9- 10)</b>
	Week- 4	<b>CAT -3</b>	Pre-cancerous Lesions and Conditions I <b>LO(15)</b>
	Week- 5	Pre-cancerous Lesions and Conditions II <b>LO (16- 17)</b>	Pre-cancerous Lesions and Conditions III <b>LO (18- 20, 27)</b>
	Week- 6	Classify Odontogenic and Non – Odontogenic tumors and Odontogenic Epithelial tumors I <b>LO (10- 11)</b>	Odontogenic Epithelial tumors <b>LO (11-12)</b>
	Week- 7	Mesenchymal tumors <b>LO (14)</b>	Odontomes <b>LO (13)</b>
	Week- 8	Infective, obstructive, traumatic diseases of salivary glands I <b>LO (21)</b>	Infective, obstructive, traumatic diseases of salivary glands II <b>LO (21)</b>
	Week- 9	Sjogren syndrome <b>LO (22, 24)</b>	Benign & Malignant tumors of salivary glands I <b>LO (23, 25)</b>
	Week- 10	Benign & Malignant tumors of salivary glands II <b>LO (25-26)</b>	<b>CAT -4</b>
	Week-11	Revision	Revision
	Week-12	Revision	Revision
	Week-13 and 14	<b>THEORY AND VIVA EXAMINATION</b>	

Commencement of 8 <sup>th</sup> Module		Weekly Schedule of Module VIII PERIODONTOLOGY
Activity	Week	Lecture 1
Academic Session – BDS Third Professional	Week- 1	Classification Of Periodontal Diseases <b>LO (29-31)</b>
	Week- 2	Desquamative Gingivitis <b>LO (32-34)</b>
	Week- 3	Periodontal Pocket <b>LO (35-46)</b>
	Week- 4	Tumor & Tumor Like Lesions <b>LO (47-55)</b>
	Week- 5	Periodontal Abscess & Treatment <b>LO (56-65)</b>
	Week- 6	Revision of Module 8 Topics
	Week- 7	Presentations of Module 8 Topics
	Week- 8	Poster Competition
	Week- 9	OSCE Slides Revision
	Week- 10	Class Test
	Week-11	Revision
	Week-12	Viva Practice Session
	Week-13 and 14	<b>THEORY AND VIVA EXAMINATION</b>

Commencement of 8 <sup>th</sup> Module		Weekly Schedule of Module VIII
		ORAL MEDICINE
Activity	Week	Lecture 1
Academic Session – BDS Third Professional	Week- 1	White and red lesion <b>LO (67-61)</b>
	Week- 2	White and red lesion <b>LO (71-73)</b>
	Week- 3	Vesiculo-bullous lesion <b>LO (79-82)</b>
	Week- 4	Vesiculo-bullous lesion <b>LO (83-88)</b>
	Week- 5	Premalignant lesion and conditions <b>LO (89-101)</b>
	Week- 6	Oral ulcers <b>LO (74-78)</b>
	Week- 7	Tongue disorder <b>LO (102-106)</b>
	Week- 8	Effect of radiotherapy on oral mucosa <b>LO (121-122)</b>
	Week- 9	Facial palsy <b>LO (111-112)</b>
	Week- 10	Orofacial pain <b>LO (107-110)</b>
	Week-11	Temporomandibular joint disorder LO(113-120)
	Week 12	Revision
	Week-13 and 14	<b>THEORY AND VIVA EXAMINATION</b>

Commencement of 8 <sup>th</sup> Module		Weekly Schedule of Module VIII PROSTHODONTICS
Activity	Week	Lecture 1
Academic Session – BDS Third Professional	Week- 1	The partial Denture Equation <b>LO (124-126)</b>
	Week- 2	Dental Prostheses and Classification systems <b>LO (127-132)</b>
	Week- 3	Interim Removable Partial Dentures <b>LO (133-150)</b>
	Week- 4	Treatment Planning <b>LO (151-158, 164-177)</b>
	Week- 5	Maxillary and Mandibular major connectors <b>LO (178-183)</b>
	Week- 6	Minor Connectors <b>LO (184-185)</b>
	Week- 7	Rests and Rests seats <b>LO (183-189)</b>
	Week- 8	Direct Retainers <b>LO (190-196)</b>
	Week- 9	Denture Bases and Impression Techniques <b>LO (159-163,197-201, 207-214)</b>
	Week- 10	Tooth tissue supported Dentures <b>LO (202-206)</b>
	Week- 11	Maxillomandibular Relations and Occlusion <b>LO (215-218, 224)</b>
	Week- 12	Delivery of Dentures <b>LO (219-223, 225-226)</b>
	Week-13 and 14	<b>THEORY AND VIVA EXAMINATION</b>

Commencement of 8 <sup>th</sup> Module		Weekly Schedule of Module VIII GENERAL MEDICINE
Activity	Week	Lecture
Academic Session – BDS Third Professional	Week- 1	Acute viral hepatitis (Etiology, Clinical features and Treatment). <b>LO (235)</b> Diabetes (Pathophysiology, Classification and Clinical features). <b>LO (236)</b>
	Week- 2	Chronic viral hepatitis (Etiology, Clinical features and Treatment). <b>LO (235)</b> Diabetes (Treatment and Lifestyle modifications). <b>LO (236)</b>
	Week- 3	Cirrhosis of the liver (Signs and symptoms and its complications as portal hypertension). <b>LO (234)</b> Diabetes (Acute complications/Emergencies). <b>LO (236)</b>
	Week- 4	Gastroesophageal reflux disease (Pathogenesis, Clinical manifestations, Investigations and Management). <b>LO (228)</b> Cirrhosis of the liver (Causes and Complications). <b>LO (234)</b>
	Week- 5	Diabetes (Long term complications). <b>LO (236)</b> Upper GI bleeding (Investigations and Emergency management). <b>LO (231)</b>
	Week- 6	Oral hypoglycemics drugs. <b>LO (238)</b>
	Week- 7	Peptic ulcer disease (Pathogenesis, Investigation and their Management). <b>LO (229)</b> Wilson disease, primary biliary cirrhosis hemochromatosis and alpha one antitrypsin deficiency (Pathogenesis, Investigations and Management). <b>LO (234)</b>
	Week- 8	Diarrhea (Symptoms and Management). <b>LO (230)</b> Urinary tract infection (Etiology, Clinical features and Treatment). <b>LO (241)</b>
	Week- 9	Acute renal failure (Etiology, Pathogenesis, Clinical features, Diagnostic tests and Treatment). <b>LO (240)</b> Dermatological Disorders in Medicine <b>LO (246,247,248,249)</b>
	Week- 10	Inflammatory bowel disease (Pathogenesis, Clinical manifestations, Investigations and Management). <b>LO (230)</b> Chronic renal failure (Etiology, Pathogenesis, Clinical features, Diagnostic tests and Treatment) <b>LO (242)</b>

	Week-11	Irritable bowel syndrome (Pathogenesis, Clinical manifestations, Investigations and Management). <b>LO (242)</b> Nephritic syndrome (Etiology, Pathogenesis, Clinical features, Diagnostic tests and Treatment). <b>LO (239)</b>
	Week-12	Malabsorption syndrome (Types, Clinical features, Investigations and Treatment). <b>LO (233)</b> Nephrotic syndrome (Etiology, Pathogenesis, Clinical features, Diagnostic tests and Treatment). <b>LO (245)</b>
	Week-13 and 14	<b>THEORY AND VIVA EXAMINATION</b>



Commencement of 8 <sup>th</sup> 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. <b>LO (251)</b>
	Week- 2	Principles of Triage and poly trauma and disaster management. <b>LO (252)</b> Ventilator working, use, ICU care, monitoring criteria. <b>LO (253)</b>
	Week- 3	Burns types and management. <b>LO (254)</b>
	Week- 4	Fractures of Limbs & Joint injury. <b>LO (255)</b> Fractures of Spine and pelvis. <b>LO (256)</b>
	Week- 5	Head & cervical spine injury. <b>LO (257)</b>
	Week- 6	Maxillo facial injury. <b>LO (258)</b> Trauma of oral cavity, larynx, pharynx & neck. <b>LO (259)</b>
	Week- 7	Chest & Mediastinal trauma & esophagus injury. <b>LO (260)</b>
	Week- 8	Abdominal injury. <b>LO (261)</b> Pelvic organ injury with perineal injuries. <b>LO (262)</b>
	Week- 9	Skin grafts, types and complications. <b>LO (263)</b>
	Week- 10	Congenital problems of face lips and palate. <b>LO (264)</b> Infections and tumours of bone. <b>LO (265-266)</b>
	Week-11	Metabolic diseases of bone diseases. <b>LO (267)</b>
	Week-12	Diseases of Salivary gland <b>LO (268)</b> Extra Thyroid neck lesions. <b>LO (269)</b>
	Week-13 and 14	<b>THEORY AND VIVA EXAMINATION</b>

## MODULE IX

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

S.No		Teaching strategy	Online Teaching	Assessment tool
	<b><u>ORAL PATHOLOGY</u></b>			
1.	Enumerate the inflammatory, metabolic and endocrine disorders of bone.	IL	✓	BCQs/SE Qs
2.	Enumerate the developmental disorders of bone.	IL	✓	BCQs/SE Qs
3.	Explain types and clinical features of osteogenesis imperfecta.	IL/SGD	✓	BCQs/SE Qs/OSPE
4.	Identify the clinical slide of osteogenesis imperfecta.	PW	✓	OSPE
5.	Describe the clinical features of marble bone disease (osteopetrosis).	IL/SGD	✓	BCQs/SE Qs
6.	Differentiate between cleidocranial dysplasia and achondroplasia.	IL	✓	BCQs/SE Qs/OSPE
7.	Classify the fibro-osseous lesions.	IL	✓	BCQs/SE Qs/OSPE
8.	Differentiate between monostotic and polyostotic fibrous dysplasia.	SGD	✓	OSPE
9.	Identify the clinical picture of cleidocranial dysplasia.	PW	✓	OSPE
10.	Interpret the radiological features of fibrous dysplasia of maxilla on an OPG x-ray.	PW	✓	OSPE
11.	Discuss the clinical features of cherubism.	SGD	✓	BCQs/SE Qs
12.	Discuss the radiographic features of cherubism	SGD	✓	BCQs/SE Qs
13.	Explain the mechanism of healing of an extraction socket.	SGD	✓	BCQs
14.	Discuss briefly about dry socket.	SGD	✓	BCQs
15.	Define osteomyelitis. Describe its classification.	IL	✓	BCQs/SE Qs
16.	Enumerate the metabolic and endocrine disorders of bone.	IL	✓	BCQs/SE Qs

17.	Classify the tumors of bone.	IL	✓	BCQs/SE Qs
18.	Recognize the clinical presentation of bony exostosis.	SGD	✓	BCQs/SE Qs
19.	Discuss the types of giant cell lesions.	IL	✓	SEQs
20.	Discuss briefly the process of healing of extraction socket.	SGD	✓	BCQs
21.	Define the following terms: Attrition, abrasion, erosion and abfraction.	IL	✓	BCQs/SE Qs/OSPE
22.	Discus the causes of pathological attrition.	SGD	✓	BCQs/OSP E
23.	Classify the types of abrasion of teeth.	SGD	✓	BCQs/OSP E
24.	Describe the internal and external resorption of teeth.	SGD	✓	SEQs
25.	List the causes of discoloration of teeth	SGD	✓	BCQs/SE Qs
26.	Classify the infective lesions of oral mucosa (bacterial, viral and fungal infections).	IL	✓	BCQs/SE Qs/OSPE
27.	Describe the clinical features and oral manifestations of tuberculosis.	IL	✓	BCQs/SE Qs
28.	Describe the etiology and clinical features of acute necrotizing ulcerative gingivitis.	IL	✓	BCQs/SE Qs
29.	Describe the types and oral manifestations of syphilis.	IL	✓	BCQs/SE Qs
30.	Differentiate between acquired and congenital syphilis.	SGD	✓	BCQs/SE Qs
31.	Discuss briefly about actinomycosis, leprosy and sarcoidosis.	IL	✓	BCQs/SE Qs
32.	Describe the clinical features of herpetic gingivostomatitis.	SGD	✓	BCQs/SE Qs
33.	Discuss the clinical features of herpes zoster.	IL	✓	BCQs/SE Qs
34.	Classify oral candidosis. Discuss the clinical features of thrush and angular cheilitis.	IL	✓	BCQs/SE Qs/OSPE

35.	List the factors predisposing to oral candida infection	SGD	✓	SEQs
36.	Discuss the classification of oral candidosis	IL	✓	SEQs
37.	Identify clinical images and discuss its etiology and clinical presentation (MRG,AC, GT, Thrush)	SGD/PW	✓	SEQs/OSP E
38.	Enumerate the immune mediated oral diseases.	IL	✓	BCQs/SE Qs
39.	Identify the clinical pictures of vesiculobullous disease	PW	✓	OSPE
40.	Discuss the types, etiopathogenesis, clinical and histological features of pemphigus.	IL	✓	BCQs/SE Qs
41.	Describe the clinical and histological features of mucous membrane pemphigoid.	IL	✓	SEQs/OSP E
42.	Discuss the erythema multiforme.	IL	✓	SEQs/OSP E
43.	<b>PROFESSIONALISM AND ETHICS</b>			
a)	Demonstrate competencies in resolving ethical issues faced during common clinical scenarios.	SGD/PB L		OSCE
b)	To know the basic safety rules for laboratory & observed whenever working in a laboratory.	SGD	✓	OSCE
	<b>PATIENT'S SAFETY</b>			
a)	Identify high risk situations and safety risks.	SGD	✓	OSCE
b)	Perform proper handling and maintenance of patient care equipment.	SGD	✓	OSCE
c)	Describe infection control, including aseptic technique, hand hygiene, screening and surveillance.	SGD /IL	✓	OSCE/BC Q
d)	Describe injury prevention, handling and transfers, and removal of hazards.	SGD	✓	OSCE
e)	Identify and respond to safety concerns raised by others.	SGD	✓	OSCE
f)	Apply infection control procedures and processing of intra oral radiographs.	SGD	✓	OSCE
	<b>COMMUNICATION SKILLS</b>			
a)	Use written record, electronic medical record or other digital technologies while communicating with supervisor and patient.	SGD	✓	OSCE
	<b><u>PERIODONTOLOGY</u></b>			
44.	Define furcation defect.	IL/SGD/	✓	BCQs/SE

		CR		Qs/OSCE
45.	Discuss the diagnosis and indices of furcation defects.	IL/SGD/ CR	✓	BCQs/SE Qs /OSCE
46.	Describe various important factors involved in treatment and prognosis of furcation involvement.	IL/CR	✓	BCQs/SE Qs/OSCE
47.	Discuss the treatment of furcation defect	IL/SGD/ CR	✓	BCQs/SE Qs /OSCE
48.	Describe various surgical procedures used for treatment of teeth with furcation involvement.	IL/CR	✓	BCQs/SE Qs/OSCE
49.	Explain the concept of GTR. (Guided Tissue Regeneration)	IL/SGD/ CR	✓	BCQs/SE Qs /OSCE
50.	Describe the surgical Procedures used for GTR along with clot stabilization, wound protection and space creation and types of materials used.	IL/CR	✓	BCQs/SE Qs/OSCE
51.	Discuss the importance of Medical, Dental and Social history in periodontal diseases.	IL/SGD/ CR	✓	BCQs/SE Qs
52.	Discuss the importance of complete examination of oral cavity.	IL/CR	✓	BCQs/SE Qs
53.	Discuss signs and symptoms for diagnosis of gingivitis and periodontitis.	IL/SGD/ CR	✓	BCQs/SE Qs/OSCE
54.	Discuss various techniques for plaque recognition.	IL/CR	✓	BCQs/SE Qs
55.	Formulate treatment plan for patients with periodontal diseases, including counseling, motivation and oral hygiene instructions.	IL/SGD/ CR	✓	BCQs/SE Qs
56.	Discuss role and importance of topical and systemic chemotherapeutic agents in periodontology.	IL/SGD/ CR	✓	BCQs/SE Qs
57.	Define trauma from occlusion	IL/SGD/ CR	✓	BCQs/SE Qs/OSCE
58.	Differentiate between primary & secondary trauma from occlusion	IL/CR	✓	BCQs/SE Qs/OSCE
59.	Discuss Clinical & Radiographic features of Trauma from occlusion	IL/CR	✓	BCQs/SE Qs /OSCE
60.	Discuss the surgical methods to control dental plaque.	IL/CR	✓	BCQs/SE Qs

61.	Describe indications and contraindications for following periodontal surgical procedures.	IL/SGD/ CR	✓	BCQs/SE Qs
62.	Define Gingival Curettage	IL/CR	✓	BCQs/SE Qs/OSCE
63.	Define Gingivectomy	IL/CR	✓	BCQs/SE Qs/OSCE
64.	Classify Periodontal flap surgeries.	IL/CR	✓	BCQs/SE Qs/OSCE
65.	Describe Grafts used in periodontium.	IL/CR	✓	BCQs/SE Qs/OSCE
66.	Discuss Crown lengthening procedure	IL/CR	✓	BCQs/SE Qs/OSCE
67.	Describe the Indications of Frenectomy	IL/CR	✓	BCQs/SE Qs/OSCE
68.	Describe the various techniques of Vestibuloplasty/Splinting procedures	IL/CR	✓	BCQs/SE Qs
69.	Describe the rationale for suturing in periodontal surgery.	IL/SGD/ CR	✓	BCQs/SE Qs /OSCE
70.	Describe the types of sutures.	IL/CR	✓	BCQs/SE Qs/OSCE
71.	Discuss various suturing techniques used in periodontal surgery.	IL/SGD/ CR	✓	BCQs/SE Qs /OSCE
72.	Discuss the effects of following on periodontal health	IL	✓	BCQs/SE Qs
73.	Describe the various Oral/Periodontal Manifestations of Diabetes mellitus	IL	✓	BCQs/SE Qs
74.	Describe the various Oral/Periodontal Manifestations of Pregnancy	IL	✓	BCQs/SE Qs
75.	Describe the various Oral/Periodontal Manifestations of Leukaemia	IL	✓	BCQs/SE Qs
76.	Describe the various Oral/Periodontal Manifestations of Anaemia	IL	✓	BCQs/SE Qs
77.	Describe the various Oral/Periodontal Manifestations of Vitamin deficiency	IL	✓	BCQs/SE Qs

78.	Describe the various Oral/Periodontal Manifestations of AIDS	IL	✓	BCQs/SE Qs
79.	Discuss the effects and management of following on periodontal health	IL	✓	BCQs/SE Qs
80.	Discuss the effects of Mal-alignment on periodontal health	IL/CR	✓	BCQs/SE Qs
81.	Discuss the effects of Crowding on periodontal health	IL/CR	✓	BCQs/SE Qs
82.	Discuss the effects of Anterior open bite on periodontal health	IL/CR	✓	BCQs/SE Qs
83.	Discuss the effects of Tongue thrusting on periodontal health	IL/CR	✓	BCQs/SE Qs
84.	Discuss the effects of Thumb sucking on periodontal health	IL/CR	✓	BCQs/SE Qs
85.	Discuss the effects of Mouth breathing on periodontal health	IL/CR	✓	BCQs/SE Qs
86.	Discuss the effects of Orthodontic treatment on periodontal health	IL/CR	✓	BCQs/SE Qs
87.	Discuss the effects of Dental restorations on periodontal health	IL/CR	✓	BCQs/SE Qs
88.	Discuss the effects of Removable dentures on periodontal health	IL/CR	✓	BCQs/SE Qs
89.	<b>PROFESSIONALISM AND ETHICS</b>			
a)	Apply ethical decision-making in all interactions with patients and their families, colleagues and other health care professionals.	CR		OSCE
b)	Demonstrate Competencies in avoiding potential ethical conflicts with pharmaceutical and other health industry providers.	CR		OSCE
c)	Differentiate between justice and equality.	SGD	✓	SEQ
d)	Demonstrate competencies in resolving ethical issues faced during common clinical scenarios.	CR		OSCE
	<b>PATIENT'S SAFETY</b>			
a)	Identify high risk situations and safety risks.	CR		OSCE
b)	Describe approaches and processes associated with risk management.	CR		OSCE

c)	Perform proper handling and maintenance of patient care equipment.	CR		OSCE
d)	Describe infection control, including aseptic technique, hand hygiene, screening and surveillance.	CR		OSCE/BC Q
e)	Describe injury prevention, safe patient transport, handling and transfers, and removal of hazards.	CR		OSCE
f)	Identify and respond to safety concerns raised by others.	CR		OSCE
g)	Apply infection control procedures and processing of intra oral radiographs.	SGD		OSCE
<b>COMMUNICATION SKILLS</b>				
a)	Demonstrate effective learning, verbal and written communication skills.	CR		OSCE
b)	Use effective and efficient communication and management strategies.	CR		OSCE
c)	Use written record, electronic medical record or other digital technologies while communicating with supervisor and patient.	SGD		OSCE
d)	Demonstrate competency in establishing a therapeutic and professional relationship with patients and their families.	CR		OSCE
e)	Demonstrate competency in using patient-centered interviewing skills in gathering biomedical and psychological information.	CR		OSCE
<b><u>ORAL MEDICINE</u></b>				
90.	Discuss the frequency and causative factors of salivary calculi among major salivary gland	IL	✓	SEQs/ Viva
91.	List clinical features of salivary gland obstruction	IL	✓	SEQs/ OSCE
92.	Outline the management of salivary gland obstruction.	IL/ SGD	✓	SEQs
93.	List various causes of salivary gland infections	IL/ SGD	✓	BCQs/SE Qs
94.	Discuss causes, clinical features and management of viral sialadenitis.	IL/ SGD	✓	BCQs/ SEQs
95.	Discuss causes, clinical features and management of bacterial sialadenitis.	IL/ CBL	✓	BCQs/ SEQs
96.	List the causes of xerostomia.	IL/ CBL	✓	BCQs/SE Qs/ OSCE
97.	Differentiate between primary and secondary Sjogren's syndrome.	IL/ CBL	✓	SEQs/ Viva



98.	Discuss clinical features of Sjogren's syndrome.	IL/ CBL	✓	SEQs/ Viva
99.	Discuss the investigations and management of Sjogren's syndrome	IL/ CBL	✓	BCQs/ SEQs
100.	Enumerate the causes of pigmented lesions in oral cavity.	IL/ SGD	✓	BCQs
101.	Differentiate racial pigmentation from other pigmented lesions of oral cavity..	IL/ SGD	✓	SEQs/ CQ
102.	Enumerate the clinical features of Peutz-Jehgers syndrome.	IL/ SGD	✓	CQ/ OSCE
103.	Classify salivary gland tumors	IL/ SGD	✓	SEQs
104.	Discuss clinical presentation and investigations for pleomorphic adenoma.	IL/ SGD/CB L	✓	SEQs/ OSCE
105.	Enumerate the causes of sialadenosis.	IL	✓	SEQs/ OSCE
106.	List and discuss various causes of halitosis	IL	✓	SEQs/ OSCE
107.	Describe various modalities used for diagnosing halitosis.	IL	✓	BCQs/ SEQs
108.	Discuss the management of halitosis.	IL	✓	SEQs/Viva
109.	Discuss the diagnosis and management of anaphylactic shock during dental treatment.	IL	✓	SEQs/ OSCE
110.	Discuss various drug interactions among commonly used drugs in dental practice.	IL	✓	CQ
111.	Lists various local and systemic conditions that influences taste perception.	SGD	✓	CQ
112.	Discuss the importance of healthy nutrition in maintaining oral health.	IL/ SGD	✓	BCQs/ CQ
113.	Discuss the management for cardiac patients during dental treatment	IL/ SGD/ CR	✓	SEQs/ OSCE
114.	Discuss the oral effects of drugs used by cardiac patients.	IL/ SGD	✓	BCQs/ CQ
115.	Identify the role of antibiotic prophylaxis for prevention of infective endocarditis in dental patients.	IL/ SGD	✓	SEQs/ CQ
116.	Enumerate the causes of hypersensitivity among dental patients.	IL/	✓	SEQs/

		SGD/ CR		OSCE
117.	Discuss the management of asthmatic patient during dental treatment.	IL/ SGD/ CR	✓	SEQs/ OSCE
118.	Discuss the management of patient with COPD during dental treatment.	IL/ SGD/ CR	✓	SEQs/ OSCE
119.	Identify the features of tooth/root displacement into the upper or lower respiratory tract.	IL/ SGD/ CR	✓	SEQs/ OSCE
120.	Identify the causes of oro-antral communication	IL	✓	SEQs/ OSCE
121.	Discuss the principles of management of root displaced in maxillary antrum.	IL/ SGD	✓	SEQs/ OSCE
122.	Define orofacial granulomatosis.	IL	✓	SEQs
123.	Discuss various oral manifestations of gastrointestinal tract diseases	IL	✓	SEQs
124.	Identify and discuss oral manifestations of Crohn's disease and their management	IL	✓	SEQs
125.	Discuss the modes of transmission for viral hepatitis.	IL/ CR	✓	SEQs/ OSCE
126.	Discuss the important aspects of various liver diseases relevant to dentistry	IL/ CP	✓	BCQs
127.	Discuss hazards to dental staff and other patients from Hepatitis B/C patient	IL/CR	✓	SEQs/ Viva
128.	Interpret various serological studies involved in screening Hepatitis patients.	IL/CR	✓	CQ/ Viva
129.	Discuss the basic precautionary measures for prevention of viral hepatitis.	IL	✓	SEQs/ Viva
130.	Discuss various aspects of renal diseases which can affect treatment in dental patient.	IL	✓	CQ
131.	Identify the role of sterilization in preventing communicable diseases.	IL	✓	SEQs/ CQ
132.	Discuss the protocol of dental treatment in patients undergoing Hemo-dialysis.	IL	✓	SEQs/ CQ

133.	Discuss the effects of pregnancy on oral health.	IL	✓	BCQs/ CQ
134.	Discuss the management considerations during dental treatment of pregnant patient.	IL	✓	BCQs/ CQ
135.	Enumerate the drugs that can be safely prescribed in pregnant patients.	IL	✓	BCQs/ CQ
136.	Identify possible hazards to fetus from various dental procedures and medications.	IL	✓	BCQs/ CQ
137.	Define Anemia	IL	✓	SEQs/ Viva
138.	Enlist the clinical features of anemia	IL/ CBL	✓	SEQs/ Viva
139.	Discuss the important features of anemia in dentistry and their management.	IL/ CBL	✓	SEQs/ Viva
140.	Discuss the dental aspects of sickle cell disease and their management	IL	✓	SEQs/ Viva
141.	Identify the effects of acute leukemia and their management.	IL	✓	SEQs/ Viva
142.	Discuss various bleeding disorders and their causes.	IL/ CBL	✓	BCQs/SE Qs/ OSCE
143.	Discuss the causes of various clotting disorders.	IL	✓	BCQs/SE Qs/ OSCE
144.	Discuss the types and causes of hemophilia.	IL	✓	BCQs/SE Qs
145.	Discuss the principles of dental management of patient with hemophilia	IL/ CBL	✓	BCQs/SE Qs
146.	Discuss the effects of anticoagulant therapy on dental treatment	IL	✓	BCQs
147.	Discuss the management of dental patient taking anticoagulant therapy.	IL	✓	BCQs/ SEQs
148.	Discuss the importance of INR in dental extractions and oral surgical procedures	IL/CR	✓	SEQs
149.	Discuss the management of prolonged bleeding during oral surgical procedures	IL/CR	✓	SEQs/ Viva
150.	Discuss oral manifestations and their management in HIV patients.	IL/SGD	✓	SEQs/ Viva

151.	Discuss oral manifestations and their management in patients with syphilis.	IL/SGD	✓	SEQs
152.	<b>PROFESSIONALISM AND ETHICS</b>			
a)	Demonstrate skills in introducing himself/ herself to the patient before history taking	SGD		OSCE/VI VA
b)	Take informed consent from the patient before commencing treatment.	SGD		OSCE/VI VA
c)	Demonstrate the professional attributes of a learner, colleague and physician in training.	SGD		OSCE/VI VA
d)	Describe the basic principles of ethics with reference to social, cultural and religious perspectives.	SGD		OSCE/VI VA
	<b>COMMUNICATION SKILLS</b>			
a)	Demonstrate positive gestures to the patient.	SGD		OSCE/VI VA
b)	Demonstrate competency in preparing and delivering high impact presentations	SGD		OSCE/VI VA
	<b><u>ORAL SURGERY</u></b>			
153.	Inquire about symptoms and history of the presenting complaint	IL	✓	BCQs
154.	Perform thorough History and Examination.	IL/ CR		OSCE
155.	Diagnose pattern & ways of making tentative diagnosis.	IL/ CR		OSCE
156.	Discuss different treatment modalities for various common conditions seen in oral surgery.	IL/CR	✓	OSCE
157.	List different methods of Sterilization and their relevance to OMFS.	IL	✓	BCQs
158.	Identify various Instruments used in Oral Surgery	CR		OSCE
159.	Discuss the Principles of Oral Surgery	IL	✓	BCQs
160.	Discuss types of incisions & flaps	IL	✓	CQ
161.	Identify methods of tissue handling	IL	✓	CQ
162.	Define Hemostasis	IL	✓	CQ
163.	Identify types of hemorrhage along with its management.	IL	✓	CQ
164.	Implement Pre & Post-Operative Care	CR	✓	OSCE

165.	Discuss the hazards of cross-infection and its prevention	IL	✓	BCQs/SEQs
166.	List types of Local Anesthesia and recall their pharmacology.	IL/ CP	✓	CQ
167.	Identify different indications and contra-indications of using Local anesthesia.	IL/ CP	✓	CQ
168.	Discuss techniques of administration of Local anesthesia.	IL/CR	✓	OSCE
169.	Describe complications of local anesthesia and its management.	IL/CR	✓	OSCE
170.	Describe the principles of Exodontia.	IL	✓	SEQs
171.	Identify the armamentarium used for Exodontia	CR		OSCE
172.	List the indications and contraindications of removal of teeth.	IL	✓	BCQs/SEQs
173.	Discuss the procedure for Simple & Complex Exodontia.	IL/CR	✓	SEQs
174.	Describe the complications of extraction along with its management.	IL	✓	SEQs/OSCE
175.	List post-op instructions	IL/ CR	✓	OSCE
176.	Discuss the prevention and management of Medical Emergencies	IL	✓	CQ
177.	Evaluate Life threatening Emergencies in Dental Office	IL	✓	BCQs/OSCE
178.	Describe guideline for prevention and management of various Medical Emergencies	IL	✓	CQ
179.	Discuss the significance of General Anesthesia and Sedation in Dentistry	IL	✓	CQ
180.	Enumerate the indications of General Anesthesia & Sedation in children, adults and geriatric patients	IL	✓	CQ
181.	Discuss Conscious Sedation & its types	IL	✓	CQ
182.	Describe the significance of IV Sedation, Oral Sedation, Inhalation Sedation in Dentistry	IL	✓	CQ
183.	Define impacted teeth	IL	✓	SEQs
184.	Classify impacted teeth	IL	✓	SEQs/OSCE
185.	Describe the Indications and contra-indications of wisdom tooth surgery.	IL/CR	✓	CQ
186.	Discuss various surgical techniques.	IL/CR	✓	SEQs

187.	Discuss the complications of surgery and its management.	IL	✓	CQ
188.	Define exodontia	IL/CR	✓	CQ
189.	List the Indications and contra-indications of exodontia	IL/CR	✓	CQ
190.	Enumerate the principles and application of forceps extraction	CR		OSCE
191.	Discuss the steps for surgical removal of erupted/broken down teeth.	CR	✓	OSCE
192.	List the complications of extraction.	IL	✓	SEQs
193.	Discuss the significance of consent taking before initiating dental procedure	CR	✓	OSCE
194.	Identify Oro-antral communication and its causes	IL		BCQs/ SEQs
195.	List ways to manage post-operative bleeding	IL	✓	SEQs/OSCE
196.	<b>PROFESSIONALISM AND ETHICS</b>			
a)	Apply ethical decision-making in all interactions with patients and their families, colleagues and other health care professionals.	CR		OSCE
b)	Demonstrate Competencies in avoiding potential ethical conflicts with pharmaceutical and other health industry providers.	CR		OSCE
c)	Differentiate between justice and equality.	SGD	✓	SEQ
d)	Demonstrate competencies in resolving ethical issues faced during common clinical scenarios.	CR		OSCE
	<b>PATIENT'S SAFETY</b>			
a)	Identify high risk situations and safety risks.	CR		OSCE
b)	Describe approaches and processes associated with risk management.	CR		OSCE
c)	Perform proper handling and maintenance of patient care equipment.	CR		OSCE
d)	Describe infection control, including aseptic technique, hand hygiene, screening and surveillance.	CR		OSCE
e)	Describe injury prevention, safe patient transport, handling and transfers, and removal of hazards.	CR		OSCE
f)	Identify and respond to safety concerns raised by others.	CR		OSCE
g)	Apply infection control procedures and processing of intra oral radiographs.	SGD		OSCE
	<b>COMMUNICATION SKILLS</b>			
a)	Demonstrate effective learning, verbal and written communication skills.	CR		OSCE

b)	Use effective and efficient communication and management strategies.	CR		OSCE
c)	Use written record, electronic medical record or other digital technologies while communicating with supervisor and patient.	SGD		OSCE
d)	Demonstrate competency in establishing a therapeutic and professional relationship with patients and their families.	CR		OSCE
e)	Demonstrate competency in using patient-centered interviewing skills in gathering biomedical and psychological information.	CR		OSCE
<b><u>GENERAL MEDICINE</u></b>				
197.	Describe the characteristic features, differential diagnosis and management of cerebrovascular disease.	IL/SGD		BCQs/SE Qs/OSCE
198.	Discuss different causes of headache and how to investigate a patient with headache and its management.	IL/SGD		BCQs/SE Qs/OSCE
199.	Describe the clinical features and management of disabling neurological conditions such as Parkinson's disease, multiple sclerosis and motor neuron disease.	IL/SGD		BCQs/SE Qs/OSCE
200.	Discuss the approach to a patient with meningitis and encephalitis, its investigations and treatment.	IL		BCQs/SE Qs/OSCE
201.	Discuss the clinical manifestations, classification, differential diagnosis and management of epilepsy.	IL/SGD		BCQs/SE Qs/OSCE
202.	Describe and investigate different types of bacterial and viral infections	IL/SGD		BCQs/SE Qs/OSCE
203.	Diagnose viral infections with emphasis on: herpes simplex, herpes zoster, influenza, bird flu, dengue, hemorrhagic fever and currently prevalent viruses	IL/SGD		BCQs/SE Qs/OSCE
204.	Discuss various types of viral infections and how to manage them.	IL/SGD		BCQs/SE Qs/OSCE
205.	Discuss the clinical features, evaluation and treatment of HIV and AIDS.	IL		BCQs/SE Qs/OSCE
206.	Describe the types, clinical features, evaluation and treatment of malaria.	IL/SGD		BCQs/SE Qs/OSCE
207.	Recognize different Helminthic infections and can treat the infestations.	IL		BCQs/SE Qs/OSCE
208.	Discuss the evaluation and management of obesity.	IL		BCQs/SE Qs/OSCE

209.	Discuss the evaluation and management of dyslipidemia.	IL		BCQs/SE Qs/OSCE
210.	Discuss the common causes of metabolic bone diseases and its management.	IL		BCQs/SE Qs/OSCE
211.	Discuss the common disorders of the thyroid, parathyroid, pituitary and adrenal glands; its clinical manifestations, investigation and their management.	IL/SGD		BCQs/SE Qs/OSCE
212.	Discuss the clinical manifestation and management of patients with crystal arthropathy.	IL		BCQs/SE Qs/OSCE
213.	Describe the different types of hematological disorders.	IL		BCQs/SE Qs/OSCE
214.	Describe the classification and causes of anemia and how to investigate and manage anemia.	IL/SGD		BCQs/SE Qs/OSCE
215.	Differentiate between acute and chronic leukemia.	IL		BCQs/SE Qs/OSCE
216.	Describe the different causes of thrombocytopenia and bleeding disorders and its management.	IL		BCQs/SE Qs/OSCE
217.	<b>PROFESSIONALISM AND ETHICS</b>			
a)	Apply ethical decision-making in all interactions with patients and their families, colleagues and other health care professionals.	CR		OSCE
b)	Differentiate between justice and equality.	IL		SEQs
	<b>PATIENT'S SAFETY</b>			
a)	Identify high risk situations and safety risks	CR		OSCE
b)	Describe approaches and processes associated with risk management.	CR		OSCE
	<b>COMMUNICATION SKILLS</b>			
a)	Demonstrate effective learning, verbal and written communication skills.	CR		OSCE
b)	Demonstrate competency in using patient-centered interviewing skills in gathering biomedical and psychological information.	CR		OSCE
	<b><u>GENERAL SURGERY</u></b>			
218.	Differentiate the abdominal pain in various quadrants according to underlying viscera	IL/CR/C BL	✓	BCQs/SE Qs/OSCE



219.	Discuss various upper GI symptoms to common diseases	IL	✓	BCQs/SE Qs
220.	Describe features of upper intestinal obstruction and management	IL	✓	BCQs/SE Qs/OSCE
221.	Diagnose perforation of Abdominal Viscous and understand D/D and S/S of peritonitis.	IL/SGD/ CR	✓	BCQs/SE Qs/OSCE
222.	Describe D/D of bleeding PR	IL	✓	BCQs/SE Qs
223.	Describe common lesions of large gut	IL/CR/C BL	✓	BCQs/SE Qs/OSCE
224.	Describe Appendicitis, complications d/d	IL/CR	✓	BCQs/SE Qs
225.	Describe gall stone problems, complications Diagnosis and management	IL/CR/C BL	✓	BCQs/SE Qs
226.	Discuss Obstructive Jaundice and pancreatic cancer	IL/CR	✓	BCQs/SE Qs/OSCE
227.	Diagnose liver masses	IL/CR	✓	BCQs/OS CE
228.	Diagnose the role of spleen and Lymphadenopathy in various diseases	IL	✓	BCQs/SE Qs
229.	Manages empyemia thoracis and lung abscess	IL/CR	✓	BCQs/SE Qs/OSCE
230.	Diagnose d/d of haematuria, Urine d/r its features	IL/CR/C BL	✓	BCQs/SE Qs/OSCE
231.	Manage Obstructive uropathy	IL	✓	BCQs/SE Qs
232.	Manage urological calculous disease	IL/SGD	✓	BCQs/SE Qs/OSCE

233.	Differentiate various hernia, S/S and complications	IL/SGD/ CR	✓	BCQs/SE Qs/OSCE
234.	List the D/d of scrotal swellings	IL/SGD	✓	BCQs/SE Qs/OSCE
235.	Identify arterial complications and management	IL/SGD	✓	BCQs/SE Qs/OSCE
236.	Describe the Risk factors of DVT, Varicose veins & venous insufficiency and their management	IL/SG D	✓	BCQs/S EQs
237.	<b>PROFESSIONALISM AND ETHICS</b>			
a)	Describe basic principles of ethics with reference to social, cultural and religious perspective.	SGD		BCQs
b)	Discuss the role of doctor in community & Duties of a doctor.	SGD		BCQs
	<b>PATIENT'S SAFETY</b>			
a)	Demonstrate competency in using patient-centered interviewing skills in gathering biomedical and psychological information.	Role play		OSCE
b)	Demonstrate competency in seeking and developing relevant information from other sources, including the patient's family, with patient's consent.	Role play		OSCE
	<b>COMMUNICATION SKILLS</b>			
a)	Demonstrate competency in communicating effectively with patients.	Role Play		OSCE
b)	Use effective and efficient communication and management strategies	Role Play		OSCE
c)	Communicate in a manner that is respectful of and sensitive to the patient's and family's age, orientation, culture and beliefs	CR		OSCE

<u>BEHAVIORAL SCIENCE TOPICS INTEGRATION WITH OTHER DEPARTMENT</u>	<u>LO NUMBER</u>
<u>Oral Pathology</u>	<u>43</u>
<u>Periodontology</u>	<u>89</u>
<u>Oral Medicine</u>	<u>152</u>
<u>Oral Surgery</u>	<u>196</u>
<u>General Medicine</u>	<u>217</u>
<u>General Surgery</u>	<u>237</u>

Commencement of 9 <sup>th</sup> 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 <b>LO (1-6, 9,11-12)</b>	Genetic disorders of bone II <b>LO (9,11-12)</b>
	Week- 2	Fibrous Dysplasia <b>LO (7-8, 10)</b>	Metabolic & Inflammatory disorders of bone <b>LO (14-16)</b>
	Week- 3	Tumors of bone <b>LO (17)</b>	Wound Healing <b>LO (13, 20)</b>
	Week- 4	<b>CAT</b>	Non-Bacterial loss of Tooth substance I <b>LO(21-22)</b>
	Week- 5	Non-Bacterial loss of Tooth substance II <b>LO (23-25)</b>	Classify infections of oral mucosa and Bacterial infections I <b>LO (26-28)</b>
	Week- 6	Bacterial infections II <b>LO(29-31)</b>	Viral infections <b>LO (32-33)</b>
	Week- 7	Fungal infections <b>LO(34-37)</b>	Immunology I <b>LO(39-40)</b>
	Week- 8	Immunology II <b>LO(41-42)</b>	<b>CAT</b>
	Week- 9	<b>CME on Ameloblastoma</b>	Revision
	Week- 10	Revision	Revision
	Week-11	Revision	Revision
	Week-12	Revision	Revision
	Week- 13 and 14	<b>THEORY AND VIVA EXAMINATION</b>	

Commencement of 9 <sup>th</sup> Module		Weekly Schedule of Module IX PERIODONTOLOGY
Activity	Week	Lecture 1
Academic Session – BDS Third Professional	Week- 1	Furcation Involvement In Periodontal Disease <b>LO (44-47)</b>
	Week- 2	Guided Tissue Regeneration <b>LO (48-49)</b>
	Week- 3	Diagnosis Of Cause Related Disease <b>LO (50-55)</b>
	Week- 4	Trauma From Occlusion <b>LO (56-58)</b>
	Week- 5	Re-evaluation Of Cause Related Disease <b>LO (59-67)</b>
	Week- 6	Periodontal Dressing & Sutures <b>LO (68-70)</b>
	Week- 7	Periodontal Treatment Of Medically Compromised Patients <b>LO ( 71-77)</b>
	Week- 8	Occlusal Analysis <b>LO (78-88)</b>
	Week- 9	Revision Of Previous Module
	Week- 10	Class Test/ Assessment
	Week-11& 12	Revision
	Week-13 and 14	<b>THEORY AND VIVA EXAMINATION</b>

Commencement of 9 <sup>th</sup> Module		Weekly Schedule of Module IX
		ORAL MEDICINE
Activity	Week	Lecture 1
Academic Session – BDS Third Professional	Week- 1	Pigmented Lesions I <b>LO (98-100)</b>
	Week- 2	Pigmented Lesions II <b>LO (98-100)</b>
	Week- 3	Salivary gland disorder <b>LO (88- 97)</b>
	Week- 4	Salivary gland tumor <b>LO (101-106)</b>
	Week- 5	Oral manifestations of systemic disease and their management (Cardiac) <b>LO (107-113)</b>
	Week- 6	Oral manifestations of systemic disease and their management (Respiratory) <b>LO (114-119)</b>
	Week- 7	Oral manifestations of systemic disease and their management (Renal), (G.I.T.) <b>LO (120-130)</b>
	Week- 8	Oral manifestations of systemic disease and their management (Endocrine) <b>LO (131-144)</b>
	Week- 9	Oral manifestations of systemic disease and their management (Hematological) <b>LO (145-149)</b>
	Week- 10	CAT
	Week-11& 12	Revision
	Week-13 and 14	<b>THEORY AND VIVA EXAMINATION</b>

Commencement of 9 <sup>th</sup> Module		Weekly Schedule of Module IX <b>ORAL SURGERY</b>
Activity	Week	Lecture 1
<b>Academic Session – BDS Third Professional</b>	Week- 1	Basic Principles or Surgery <b>LO (153-167)</b>
	Week- 2	Sterilization & Cross infection <b>LO (157, 168)</b>
	Week- 3	Flap designs and soft tissue handling <b>LO (160, 161)</b>
	Week- 4	General and Local Anesthesia, Sedation & Patient's management <b>LO (169-172, 182 - 185)</b>
	Week- 5	Prevention of Medical Emergencies <b>LO (179- 180)</b>
	Week- 6	Management of Medical Emergencies <b>LO (181)</b>
	Week- 7	Exodontia <b>LO (173-178)</b>
	Week- 8	Exodontia <b>LO (191-198)</b>
	Week- 9	Impacted Teeth <b>LO (186-190)</b>
	Week- 10	Revision
	Week-11	Revision
	Week-12	Revision
	Week- 13 and 14	<b>THEORY AND VIVA EXAMINATION</b>

Commencement of 9 <sup>th</sup> Module		Weekly Schedule of Module IX GENERAL MEDICINE
Activity	Week	Lecture 1
Academic Session – BDS Third Professional	Week- 1	Pituitary gland disorders (Clinical manifestations, Investigations and Management). <b>LO (211)</b> Anemia (Classification, Investigations and Management). <b>LO (214)</b>
	Week- 2	Disorders of Thyroid gland (Clinical manifestations, Investigations and Management). <b>LO (211)</b> Microcytic anemia (Causes, Investigations and Management). <b>LO (214)</b>
	Week- 3	Disorders of the Parathyroid gland (Clinical manifestations, Investigation and Management). <b>LO (211)</b> Normocytic anemia (Causes, Investigations and Management). <b>LO (214)</b>
	Week- 4	Disorders of Adrenal glands (Clinical manifestations, Investigation and Management). <b>LO (211)</b> Macrocytic anemia (Causes, Investigations and Management). <b>LO (214)</b>
	Week- 5	Headaches (Types, Investigations and Management). <b>LO (198)</b> Infectious Diseases <b>LO (202,203,204,205,207)</b>
	Week- 6	Thrombocytopenia and bleeding disorders (Causes and Management). <b>LO (216)</b> Infectious Diseases <b>LO (202,203,204,205,207)</b>
	Week- 7	Epilepsy (Clinical manifestations, Classification, Differential diagnosis and Management). <b>LO (201)</b> Thrombocytopenia and bleeding disorders and its management. <b>LO (216)</b>
	Week- 8	Cerebrovascular disease (Characteristics features and Differential diagnosis). <b>LO (197)</b> Lymphomas (Classification, Clinical features and Treatment). <b>LO (213)</b>
	Week- 9	Cerebrovascular disease (Management). <b>LO (197)</b> Acute and chronic leukemia (Classification, Clinical features and Treatment). <b>LO (215)</b>
	Week- 10	Parkinson's disease, multiple sclerosis and motor neuron disease (Clinical features and Management). <b>LO (199)</b>
	Week-11	Malaria <b>LO</b> <b>LO (206)</b> Myeloproliferative disorders (Classification, Clinical features and Treatment). <b>LO (213)</b>
	Week-12	Meningitis and encephalitis (Investigations and Treatment). <b>LO (200)</b>
	Week-13 and 14	<b>THEORY AND VIVA EXAMINATION</b>

Commencement of 9 <sup>th</sup> Module		Weekly Schedule of Module IX GENERAL SURGERY
Activity	Week	Lecture 1
Academic Session – BDS Third Professional	Week- 1	Acute Abdomen. <b>LO (218)</b>
	Week- 2	Upper GI symptoms and causes, dysphagia causes. <b>LO (219)</b> Intestinal obstruction. <b>LO (220)</b>
	Week- 3	Peritonitis, perforation. <b>LO (221)</b>
	Week- 4	Bleeding P/R, anal region, rectum and colon. <b>LO (222)</b> Common specific lesions of lower GIT (amebiasis, TB, CA). <b>LO (223)</b>
	Week- 5	Appendicitis, D/D and management. <b>LO (224)</b>
	Week- 6	Cholelithiasis, Complications, management and causes. <b>LO (225)</b> Obstructive Jaundice & Pancreatic lesions. <b>LO (226)</b>
	Week- 7	Liver, mass lesions, abscess, Hydatid disease and tumors. <b>LO (227)</b>
	Week- 8	Spleen and Lymphadenopathy. <b>LO (228)</b> Empyema thoracis and lung abscess. <b>LO (229)</b>
	Week- 9	UTI, Haematuria, BPH. <b>LO (230-231)</b>
	Week- 10	Calculous diseases of Urinary Tract. <b>LO (232)</b> Ventral wall Hernia and Inguinal hernia. <b>LO (233)</b>
	Week-11	Inguino scrotal, scrotal swellings & D/D. <b>LO (234)</b>
	Week-12	Arterial Obstruction, both Acute & chronic, Gangrene & Amputation. <b>LO (235)</b> DVT & Varicose Veins. <b>LO (236)</b>
	Week-13 and 14	<b>THEORY AND VIVA EXAMINATION</b>



## Learning Resources

### ORAL PATHOLOGY

#### RECOMMENDED BOOKS

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

#### RECOMMENDED E-BOOKS

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

### PERIODONTOLOGY

#### RECOMMENDED BOOKS

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

#### RECOMMENDED E-BOOKS

1. Clinical periodontology Implant Dentistry by Lindhe

## ORAL MEDICINE

### RECOMMENDED BOOKS

1. William R. Tyldesley, Oral Medicine, 5<sup>th</sup> Edition
2. Lester W. Burket, Oral Medicine, 11<sup>th</sup> Edition
3. Roderick A. Cawson, Oral Medicine, 8<sup>th</sup> Edition
4. Crispian Scully, Oral Medicine, 3<sup>rd</sup> 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](http://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

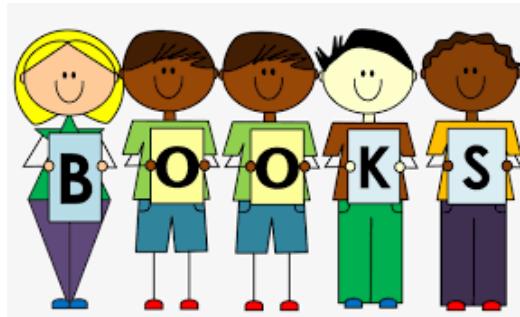
### RECOMMENDED BOOKS

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



### RECOMMENDED E-BOOKS

- Oral & Maxillofacial 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, 10<sup>th</sup> Edition
2. Maxine A Papadakis, Current Medical Diagnosis and Treatment, Edition 2021

### GENERAL SURGERY

#### RECOMMENDED BOOKS

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

**BAHRIA UNIVERSITY DENTAL COLLEGE**  
**3<sup>rd</sup> PROFESSIONAL BDS**  
**ACADEMIC CALENDAR 2022**

**SESSION START:**

10<sup>th</sup> January 2022 (Monday)

**SEVENTH MODULE (12 WEEKS):**

Module Start	10 <sup>th</sup> January 2022 (Monday)
Module Ends	01 <sup>st</sup> April 2022 (Friday)
Module Exams	04 <sup>th</sup> – 13 <sup>th</sup> April 2022

**EIGHTH MODULE (12 WEEKS):**

Pre-vacation (2 weeks)

Module Start	14 <sup>th</sup> April 2022 (Thursday)
Module Ends	29 <sup>th</sup> April 2022 (Friday)

**Annual Vacations and Eid ul Fitr Holidays**    **02<sup>nd</sup> May – 20<sup>th</sup> May 2022**

Post-vacation (10 weeks)

Module Start	23 <sup>rd</sup> May 2022 (Monday)
Module Ends	29 <sup>th</sup> July 2022 (Friday)
Module Exams	01 <sup>st</sup> Aug – 10 <sup>th</sup> August 2022

**NINTH MODULE (12 WEEKS):**

Module Starts	11 <sup>th</sup> August 2022 (Thursday)
Module Ends	04 <sup>th</sup> November 2022 (Friday)
Module Exams	07 <sup>th</sup> November – 16 <sup>th</sup> November 2022

**FINAL EXAMINATION:**

**November / December 2022**

**Prof Dr. Daud Mirza**  
**Fatima Rizvi**  
Third year BDS Coordinator  
BUDC

**Prof Dr. Kulsoom**  
  
VP Dental College  
BUDC

**Prof Dr. Wahab Buksh Kadri**  
Principal Dental College  
BUDC

# **CLINICAL ROTATION THIRD YEAR BDS GROUPS**

## **BAHRIA UNIVERSITY DENTAL COLLEGE**

**2022**

### **MOD VII (12 weeks)**

<b>DATES</b>	<b>OMFS</b>	<b>PERIODONTOLOGY/ ORAL DIAGNOSIS</b>	<b>PROSTHODONTICS</b>	<b>OPERATIVE DENTISTRY</b>
10-Jan-22 to 11-March-22 (9 weeks)	A	B	C	D
14 -March-22 to 1-Apr-22 (3 weeks)	D	A	B	C

MOD VII Theory & Viva Exams 4<sup>th</sup> April to 13<sup>th</sup> April 2022

### **MOD VIII (12 weeks)**

14-Apr-22 to 15-June-22 (6 weeks)	D	A	B	C
16-June-22 to 29-july-22 (5 weeks)	C	D	A	B

**Annual Vacation & Eid-ul-Fitr Holidays 02<sup>nd</sup> May TO 20<sup>th</sup> May 2022**

**Eid-ul-Adha Holidays 11<sup>th</sup> July TO 15<sup>th</sup> July 2022**

MOD VIII Theory & Viva Exams 01<sup>st</sup> Aug to 10<sup>th</sup> Aug 2022

### **MOD XI (12 weeks)**

11-Aug-22 to 02-Sep-22 (4 weeks)	C	D	A	B
05-Sep-22 to 04-Nov-22 (9 weeks)	B	C	D	A

MOD XI Theory & Viva Exams 07<sup>th</sup> Nov to 16<sup>th</sup> Nov 2022

**Prof Dr. Daud Mirza**

**Fatima Rizvi**

Third year BDS Coordinator

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