

I. Context / Preamble

Prosthodontics is a specialty within dentistry pertaining to the diagnosis, treatment planning, rehabilitation and maintenance of the oral function, comfort, appearance and health of patients with clinical conditions associated with missing or deficient teeth and/or maxillofacial tissues using biocompatible substitutes.

This undergraduate Prosthodontics curriculum is designed to train Bachelor of Dental Surgery (BDS) students to provide basic removable and fixed prosthodontic skills in the practice of general dentistry. This mainly involves management of partially and completely edentulous patients, fabrication of conventional removable and fixed prosthesis, implant-supported prostheses and defect prostheses as well as management of post-treatment complications. Prosthodontics is a major subject of final professional BDS examination and carries a total of 200 marks.

II. Mission

The mission of this course is to equip dental undergraduate students with the basic knowledge, skills and attitudes for safe ethical practice of removable and fixed prosthodontics.

III. Implementation of Curriculum

Overview:

1. The Prosthodontics curriculum is divided into 11 courses or blocks, taught sequentially as given below:

- i. Complete Denture Prosthodontics I
 - a. Systemic Health Aspects and Nutritional Considerations
 - b. Sequelae of Wearing Complete Dentures
 - c. Management of Edentulous Patients
- ii. Complete Denture Prosthodontics II
 - a. Denture's Polished Surfaces
 - b. Selection and Arrangement of Artificial Teeth
 - c. The Try-in Appointment
 - d. Prosthesis Insertion and Follow-up

iii. Complete Denture Prosthodontics III

- a. Single Dentures
- b. Lifespan of Dentures
- c. Speech Considerations with Complete Dentures

iv. Removable Partial Prosthodontics I

- a. Clasp Retained Partial Denture
- b. Partially Edentulous Arches
- c. Biomechanics of RPD
- d. Connectors

v. Removable Partial Prosthodontics II

- a. Rests and Rest Seats
- b. Retainers
- c. Denture Base Considerations

vi. Removable Partial Prosthodontics III

- a. RPD Design
- b. Surveying
- c. Management of Partially Dentate Patient

vii. Fixed Prosthodontics I

- a. History and Examination
- b. Treatment Planning
- c. Principles of FPD

viii. Fixed Prosthodontics II

- a. Crown Preparation

ix. Fixed Prosthodontics III

- a. Tissue Management
- b. Pontic Design

x. Implant Prosthodontics

- a. Introduction
- b. Osseointegration
- c. Management and Complications

xi. Defect Prosthodontics

- a. Maxillofacial Prosthodontics

- 2. The theory component is covered by one lecture per week in third year and three lectures a week in fourth (Final) year.
- 3. Practical training is imparted during a 10-week clinical rotation in third year and an eight weeks rotation in fourth year BDS.
- 4. During their clinical rotation, students in small groups learn through practical chair side demonstrations of the techniques of primary impression making, border molding, secondary impression making, jaw relation record, investing, curing, finishing and polishing, denture try-in, denture insertion and clasp fabrication. They fabricate partial dentures for 12 patients and complete dentures for 8 patients.

IV. Resources:

To be filled by Institute

V. Facilities:

To be filled by Institute

VI. Course Administration

To be filled by Institute

VII. Students Assessment

- a. Minimum attendance of 75% is a requirement to appear in university professional examination.
- b. Continuous formative evaluation is conducted during the academic year comprising of 5 theory tests, and 2 clinical assessment tests (ward tests and Pre annual). The results are communicated to students through notice board. Feedback is provided after each evaluation.

c. Mid - Term, Term, Pre - Annual and Annual Examination

- There will be two mid-term & term examinations followed by a pre-Annual and annual examinations each year.
- The structure of the paper of all the term examinations and pre-annual will be the same as that for annual examination though syllabus will be different.
- The structure of Mid-term exam will be half of the term exam.
- The syllabus for mid-term & term examinations will be announced by the department at least 02 weeks prior to examination.
- Pre-annual examination will be from whole syllabus.
- The date sheet for mid-term, term and pre-annual examinations will be published by Examination branch while the examinations will be conducted by respective department.
- The result will be submitted to examination branch for incorporation in internal assessment.
- Internal assessment marks based on the above evaluations are sent to the university at the end of academic year and constitute 10% of the final professional examination score.

d. Log book

- Each student is expected to maintain record of practical work in log book. Safe keeping (make copies) of the log book is the responsibility of each student. The log book must be submitted to the Prosthodontics department at the end of the academic year.

Final Professional University Examination

The summative assessment consists of a theory paper and practical examination with the following details:

Total Marks: 200

Theory:

Paper: 90 marks (MCQs)

Internal Assessment: 10 Marks

Total:	100 Marks
Practical Examination:	
Clinical Examination:	90 Marks
Internal Assessment:	10 Marks
Total:	200 Marks

Communication of Information to Students: All information communicated to students through Notice boards.

Topic	Learning Objectives <i>At the end of a topic, the student must be able to:</i>	LEARNING STRATEGY	Mode of Assessment
Introduction to complete dentures	- Define the term "Complete denture" - Enumerate the parts of a complete denture - Enumerate the surfaces of a complete denture - Interpret the role/significance of each part i.e. denture flange, denture border, denture base, denture teeth - Interpret the role/significance of each surface i.e. impression surface, occlusal surface, polished surface - Summarize the indications for providing a complete denture - Enlist the steps of fabrication of a complete denture		MCQs
Anatomy of denture bearing area-I (General concepts)	- Define the term "Denture bearing area" - Name the divisions of denture bearing areas - Differentiate between the features of primary and secondary stress-bearing areas - Discuss the features of peripheral areas - Discuss the features of relief areas	Dr. Farooq Kamran	MCQs

Topic	Learning Objectives <i>At the end of a topic, the student must be able to:</i>	LEARNING STRATEGY	Mode of Assessment
Anatomy of denture bearing area-II (Maxillary arch)	• Name and identify the bony foundation/structures • Name and identify the soft tissue landmarks • Classify the structures according to divisions of maxillary denture bearing area • Summarize the definition, anatomical relations and significance of each of the following structures: ○ Hard palate ○ Malar surface ○ Zygomaticoalveolar crest ○ Residual alveolar ridge ○ Incisive papilla ○ Rugae ○ Mid palatine raphe ○ Palatine torus ○ Maxillary tuberosity ○ Vibrating line ○ Palatine fovea ○ Hamular notch ○ Residual ridge ○ Labial sulcus ○ Buccal sulcus ○ Labial frenum ○ Buccal frenum ○ Zygomatic buttress ○ Palatine submucosa	Dr. Farooq Kamran	MCQs

Topic	Learning Objectives <i>At the end of a topic, the student must be able to:</i>	LEARNING STRATEGY	Mode of Assessment
	• Name and identify the bony foundation/structures • Name and identify the soft tissue landmarks • Classify the structures according to divisions of maxillary denture bearing area • Summarize the definition, anatomical relations and significance of each of the following structures: ○ Mandible ○ Buccal shelf ○ Retromolar pad ○ Mandibular torus ○ Mylohyoid ridge ○ Retromylohyoid area (lingual pouch) ○ Labial sulcus ○ Labial frenum ○ Buccal sulcus ○ Buccal frenum ○ Lingual sulcus ○ Lingual frenum	SGD (on models)	MCQs
Introduction to impressions	• Define the term “impression” • Use the correct terminology • Recall the purposes of recording an impression • Enumerate the objectives of impression making • Describe the principles of impression making • Classify and enumerate the various types of impression materials • Determine the choice of impression material to use for particular situation/case • Enumerate the steps of impression making	Interactive lecture	MCQs

Topic	Learning Objectives <i>At the end of a topic, the student must be able to:</i>	Resource Person	No.
Impression techniques and theories	- Classify the impression techniques and impression theories - Describe the basic concepts of impression theories - Describe the relative advantages of impression theories - Describe the relative disadvantages of impression theories	Interactive lecture	2
Impression trays	- Define the term “impression tray” - Classify the impression trays used in dentistry - Describe the procedure for selecting a suitable stock impression tray for a given patient - Describe the practical importance of impression trays	SGD	2 1 1
Preliminary impression	- Define the term “preliminary impression” - Enlist the materials used - Describe the procedure for using impression compound - Describe the procedure for using alginate - Describe the procedure for using silicone putty - Describe the procedure for using tissue conditioner - Describe the common faults in impressions, their causes and rectifications	Interactive lecture Demo. – Final y Demo. – 3 rd y Skill lab or Demo. – 3 rd y Demo. – Final y	2 1 1 1 1
Preliminary cast fabrication (already covered in 2 nd and 3 rd y)	- Pour the preliminary impression - Fabricate the base - Separate the cast from the impression	Practical demo.	
Custom tray	- Define the term “custom tray” - Enlist the requirements of custom trays - Enlist the materials used/classification - Mark out and engrave tray extension on the cast/impression	Lecture	1
Planning relief in the custom tray	- Define the term “relief” in relation to a custom tray - Enumerate the areas of oral cavity requiring a relief - Describe the methods of providing a relief in the custom tray - Describe the methods of providing a relief in the processed		

	denture base		
Fabrication of custom trays	- Enumerate the fabrication techniques - Describe the outline of each fabrication technique briefly - Fabricate a custom tray with finger-adapted dough method - Fabricate a custom tray with sprinkle-on method - Construct handles and finger rests	Demo. – Final y	2
Border molding including post dam area	- Define the term “border molding” - Recall the purpose of border molding - Enlist the materials used for border molding - Classify the techniques of border molding - Explain the techniques of border molding - Show the process of using green stick compound - Describe the border molding for maxillary arch - Define the terms “Post-palatal seal” and “Post-palatal seal area” - Classify the methods of recording this area - Demonstrate the use of green stick compound for creating the post-dam area - Describe the border molding for mandibular arch	Interactive lecture	1
		Demo. – Final y	1
		Demo. – Final y	1

Final impression	• Define the term “final impression” • Enumerate the final impression materials • Recall the steps of final impression making • Give a broad outline of final impression techniques • Give a broad outline of final impression procedure • Demonstrate the use of ZnO paste Interactive lecture Demo. – Final y 1 1		
	• Define the term “Final cast” • Classify the methods of final cast fabrication • Demonstrate the boxing method of cast fabrication		
Record bases	• Define the term “Record base”		1

		- Recall the significance of record bases - State the ideal requirements for record bases - Differentiate between temporary and permanent record bases - Enumerate the materials for temporary and permanent record bases - Demonstrate the record base formation with available materials (self-cured acrylic resin, vacuum formed sheets, baseplate wax and heat-cured acrylic resin) Lecture Demo. – Final y Demo. – 2nd y		2 4 labs	
	Occlusion rims	- Define the term “Occlusion rim” - Recall the uses of occlusion rims - Describe the guidelines for fabrication of occlusion rims - Construct an occlusion rim by the rolled wax technique - Develop the required contours and dimensions for maxillary and mandibular occlusion rims	Demo. – Final y Skill lab – 2 nd y	1 4 labs	
	Jaw relationships: an introduction	- Define the term “Maxillomandibular jaw relationship” - State the need for/aim of recording the jaw relations - Classify the jaw relationships Classify the mandibular movements as functional		1	

	Vertical relationship	- Define the terms: Rest vertical dimension, Occlusal vertical dimension and Interocclusal rest space - Classify the methods of recording the OVD - Describe the concept of physiologic rest position, phonetics, esthetics, ridge relations and pre-extraction records - Effects of high and low OVD - Adjustment of rim for OVD	Interactive lecture Demo.	2 1
		- Define the terms: "Horizontal relation" and "Centric relation" - Correlate the different concepts of centric relation - Recall the significance of this relationship - Communicate and discuss the methods of achieving mandibular retrusion - Enumerate the methods of making a CR record - Explain the role of inter-occlusal check records - Explain the role of graphic records (Gothic arch) - Explain the role of miscellaneous methods	Interactive lecture Practical demo.	3 1
Articulators		- Define the term "Articulator" - Recall the purpose and uses of this instrument - Recall the advantages of this instrument - Recall the limitations of this instrument - Draw and label the parts of a semi-adjustable articulator - Classify articulators based on instrument	Lecture SGD	2

	function and adjustability		
	- Define the terms: “Articulation” and “Mounting” - Outline the steps involved in the mounting procedure - Adjust the zero position of an articulator - Mount the maxillary cast - Mount the mandibular cast	Demo. – Final y Demo. – 2 nd y	1 1
Selection of artificial teeth	- Recall the various parameters influencing the selection of artificial teeth - State and explain the factors for selecting anterior teeth: size, shape and color - State and explain the factors for selecting posterior teeth: size and shape/form	Lecture Demo. – Final y	2 1
Arrangement of artificial teeth	- Arrange the maxillary anterior teeth - Arrange the maxillary posterior teeth - Arrange the mandibular anterior teeth - Arrange the mandibular posterior teeth - Develop stable occlusal contacts	Demo. – Final y Demo. – 2 nd y	3 48 labs
	- Define the terms: Occlusion, Articulation, Centric occlusion and Eccentric occlusion - Delineate the need to study occlusion - Differentiate between natural and complete denture occlusion - State the functions of a complete denture occlusion - Describe the requirements of complete denture occlusion - Classify various occlusal schemes for complete dentures	Interactive lecture	2

		• Canine guided occlusion • Mutually protected occlusion		
Bilateral balanced occlusion		• Define the term “Bilateral balanced occlusion” • Recall the core concept of this occlusion scheme • Recall the mechanics of this occlusion scheme • State and discuss the factors for developing this occlusion scheme • Enlist the prerequisites for this occlusion scheme	Interactive lecture SGD	2
Miscellaneous occlusal schemes		• Describe the concept of monoplane occlusion • Describe the concept of lingualized occlusion • Describe the concept of functionally generated occlusion	Interactive lecture	1
	Trial	• Define the terms: “Trial placement” and “Trial denture” • State the significance of trial placement for the patient and the dentist • Outline the sequence of trial placement • Outline the verifications made by the dentist in both trial dentures separately • Outline the verifications made by the dentist in both trial dentures together • Assess the common errors in trial dentures • Make the required corrections (if needed)	Interactive lecture Demo. – Final y	4 1
	Final processing (2 nd y, 3 rd y)	• Develop required contours in the final waxup including festooning • Perform the laboratory processing procedure for heat-cured acrylic resin including flasking, dewaxing, separating agent, mixing and	Demo. – Final y Demo. – 2 nd y	1 1

	packing of acrylic resin, trial closure, final closure in bench press, and final processing in water bath • Retrieve the processed denture • Identify processing defects • Produce a highly polished surface finish		
Insertion of a complete denture	• Outline the sequence of insertion of a complete denture • State appropriate instructions to the patient • Assess the denture for processing errors • Evaluate the polished surfaces for any errors • Evaluate the tissue fit and comfort • Evaluate the retention and stability • Evaluate the vertical and centric relations and any errors • Evaluate the occlusion and any occlusal errors • Evaluate the esthetics • Evaluate the speech	Interactive lecture Practical demo.	1 1
Post-insertion Instructions (3rd y, Final y)	• Choose an appropriate medium of instructions for the patient • State important instructions to the patient regarding initial appearance and feelings, mastication and speech • State important instructions regarding maintenance of oral and denture hygiene • Plan the follow-up visits	Demo. – Final y Demo. – 3 rd y	1 1
Post-insertion complaints and management	• Categorize the post-insertion complaints • Assess the errors in occlusion and correct them • Assess the errors in denture base and correct them • Assess the errors in tooth selection and	Lecture	2

	- correct them - Assess the errors in tooth arrangement and correct them - Assess for inefficiency of the occlusion and correct it - Assess for adequate tongue space and correct it - Assess for food under the denture and correct it		
Complete immediate dentures	- Define the term “Immediate denture” - Enlist the indications and contraindications - Discuss the advantages and disadvantages - Differentiate between conventional and interim immediate dentures - Propose a treatment plan for a given case - Recall an outline of the procedures involved - Plan and perform the required model surgery - Arrange the artificial teeth on the cast before and after model surgery - Outline specific post-insertion instructions to the patient - Plan the followup appointments	Lecture Demo. – Final y	2 1
Complete over-dentures	- Define the terms “Overdenture” and “Complete overdenture” - Differentiate between the various types of overdentures - Classify the overdenture abutments - Outline the rationale of overdenture therapy - Discuss the advantages and disadvantages - Discuss the indications and contraindications - Propose a treatment plan for a given case	Lecture	2
Neutral zone	Define the term “Neutral zone”	Seminar in dept	1

	• State the concept of neutral zone • Explain the potential denture space • Enumerate the muscles involved in neutral zone and their influence • Enlist the indications for recording the neutral zone • Enlist the materials used for this purpose • Outline the various clinical steps involved • Outline the various laboratory steps involved		
	• Define the term “Combination syndrome” • State the features of combination syndrome • Recall the pathophysiology • Summarize the strategies for preventing this occurrence • Plan the management of a given case at pre-prosthetic, prosthetic and post-prosthetic stages	Seminar in dept.	1
Single complete denture	• Enlist the problems encountered with a single complete denture • Enumerate the types • Recall the techniques for occlusal plane correction • Recall the techniques for occlusal equilibration • Name the options for tooth replacement	Lecture	1
Denture adhesives	• Define the term “denture adhesive” • Classify the commercially available denture adhesives • Enumerate the composition and role of each ingredient • Outline the mechanism of action • Summarize the indications and	SGD (in dept.)	1

	contraindications • Summarize the advantages and disadvantages		
Sequelae of wearing complete dentures	• Gagging • Denture stomatitis • Residual ridge resorption • Xerostomia • Burning mouth syndrome • Epulis • Mucosal reaction • Galvanism • Altered taste perception • Caries	Lecture	4

TOPIC-WISE MODULAR CURRICULUM OF PROSTHODONTICS FOR FINAL YEAR BDS (Draft Copy)
(Partial Denture Prosthodontics)

Sr. No.	Topic	Learning Objectives <i>At the end of a topic, the student must be able to:</i>	Learning Strategy	Assessment Tool
1.	Introduction to removable partial dentures	- Define the term "Removable partial denture" - Discuss the benefits of partial dentures - Enumerate the basic component parts of a partial denture - Differentiate between acrylic and cast partial dentures	Interactive lecture SGD	MCQs
2.	Tooth loss and aging	- Understand the demands of patients after tooth loss - Understand the consequences of tooth loss - Explain the benefits of restoration of the missing teeth	Self study	MCQs
3.	Classification of partially edentulous arches	- Recall the requirements of a universally acceptable classification system - Enlist a few classification systems in use - Summarize the salient features of Kennedy's classification - Enlist the Applegate rules (in correct order) - Identify the given casts according to Kennedy's classification	Interactive lecture SGD	SEQs OSPE
4.	Major connectors	- Define the term "Major connector" - Describe the guidelines for designing the major connectors - Enlist the mandibular major connectors - Describe the features of different mandibular major connectors - Describe the designing of mandibular major connectors - Enlist the maxillary major connectors - Describe the features of different maxillary major connectors - Describe a systematic approach for designing the maxillary major connectors	Interactive lecture SGD Practical demo.	MCQs OSPE
5.	Minor connectors	- Define the term "Minor connector" - Recall the functions of a minor connector - Describe the form and location of minor connectors - Discuss the role of tissue stops - Locate the finishing lines	Interactive lecture SGD Practical demo.	MCQs OSPE

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Sr. No.	Topic	Learning Objectives <i>At the end of a topic, the student must be able to:</i>	Learning Strategy	Assessment Tool
6.	Rests and rest seats	- Define the terms “Rest” and “Rest seat” - Enlist the functions of a rest - Recall the form of an occlusal rest and rest seat - Explain the concept of an extended occlusal rest - Discuss the features of the interproximal rest seats - Describe the application of intracoronal rests - Recall the support for occlusal rests - Comprehend the application of lingual rests on anterior teeth - Comprehend the application of incisal rests	Interactive lecture SGD Practical demo.	MCQs OSPE
7.	Direct retainers	- Define the term “Direct retainer” - Classify the direct retainers used in partial dentures - Summarize the role of direct retainer in prosthesis movement control - Carry out analysis of tooth contours for retentive clasps - Discuss the factors affecting the amount of retention of clasps - Outline the criteria for selecting a given classp - Recall the basic principles of clasp design - Recall the main types of clasp assemblies	Interactive lecture SGD Practical demo.	MCQs
8.	Indirect retainers	- Define the term “Indirect retainer” - Recall the functions of an indirect retainer - Recall the factors affecting the effectiveness of indirect retainers - Classify the forms of indirect retainers	SGD	MCQs
9.	Denture base considerations	- Recall the functions of denture bases - Enumerate the methods of attaching the denture bases to framework - Describe the ideal denture base material - Discuss the advantages of metal bases	SGD	MCQs

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Sr. No.	Topic	Learning Objectives <i>At the end of a topic, the student must be able to:</i>	Learning Strategy	Assessment Tool
10.	Principles of partial denture design	- Describe the design principles of Kennedy's Class I, II and III situations - Outline the strategies for controlling the amount of stress transmitted to the abutment teeth - Outline the essential steps in designing the partial denture - Explain the components of partial denture design	Interactive lecture SGD Practical demo.	MCQs OSPE
11.	Surveying	- Define the terms: Surveying, Surveyor, Path of placement - Describe the parts of a dental cast surveyor - Outline the purposes of surveyors - Remember the factors that determine the path of placement and removal - Illustrate the step by step procedure of surveying the diagnostic cast - Perform the Tripoding - Carry out the surveying of the master cast	SGD Practical demo.	MCQ OSPE
12.	Diagnosis and treatment planning	- Define the terms "Diagnosis" and "Treatment planning" - Understand the uniqueness of treatment for a patient - Perform a detailed history taking - Perform a detailed clinical examination - Order and interpret appropriate radiographs - Explain the role of diagnostic casts in treatment planning - Formulate a list of differential diagnosis - Formulate a treatment plan for a given case	Interactive lecture SGD	MCQs OSPE

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Sr. No.	Topic	Learning Objectives <i>At the end of a topic, the student must be able to:</i>	Learning Strategy	Assessment Tool
13.	Preparation of the mouth for removable partial dentures	- Identify the mouth preparations required for a given case - Order the oral surgical preparation - Implement procedures to manage/condition abused and irritated soft tissues - Understand the need for periodontal preparation - Understand the need for abutment teeth preparation	Interactive lecture SGD	MCQs
14.	Preparation of the abutment teeth	- Classify the abutment teeth according to need of modifications - Understand the sequence of abutment preparations - Plan the abutment preparations on sound enamel or existing restorations - Plan the abutment preparations using conservative restorations - Plan the abutment preparations using complete coverage crowns - Identify the need for splinting abutment teeth - Plan using isolated teeth as abutments	Interactive lecture SGD	MCQs
15.	Impression materials and procedures for removable partial dentures	- Summarize the properties of available impression materials - Understand the precautions to be observed in handling hydrocolloid impressions - Perform the step-by-step procedure for making hydrocolloid impressions - Perform the step-by-step procedure for making a stone cast - Explain the possible causes of an inaccurate or weak cast - Fabricate individual impression trays from acrylic resin	SGD Practical demo.	MCQs OSPE
16.	Support for the distal extension denture base	- Understand the requirements of support for the distal extension denture base - Outline the factors that influence the support of a distal extension denture base - Plan for recording the anatomic form impression - Plan for recording the functional form impression	Interactive lecture SGD Practical demo.	MCQs OSPE

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Sr. No.	Topic	Learning Objectives <i>At the end of a topic, the student must be able to:</i>	Learning Strategy	Assessment Tool
17.	Occlusal relationships for removable partial dentures	- Describe the desirable occlusal contact relationships - Enumerate the methods of establishing occlusal relationships - Select appropriate materials for posterior teeth - Understand the jaw relations for a mandibular removable partial denture opposing a maxillary complete denture	Interactive lecture SGD	MCQ
18.	Initial placement, adjustment and servicing of the removable partial denture (3rd y)	- Identify any adjustments to the bearing surfaces of denture bases - Identify any interference from denture framework - Adjust the occlusion in harmony with natural and artificial dentition - Cite necessary instructions to the patients	Interactive lecture SGD	MCQs
19.	Relining and rebasing the removable partial denture	- Perform the procedure for relining a tooth-supported denture bases - Perform the procedure for relining the distal extension denture bases - Perform the methods of reestablishing occlusion on a relined partial denture	SGD Practical demo.	MCQs OSPE
20.	Repairs and additions to removable partial dentures	- Manage a case with broken clasp arms - Manage a case with fractured occlusal rests - Manage a case with distortion or breakage of other components—major and minor connectors - Manage a case with loss of a tooth or teeth not involved in the support or retention of the restoration - Manage a case with loss of an abutment tooth necessitating its replacement and making a new direct retainer	SGD Practical demo.	OSPE

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21.	Temporary removable partial dentures	• Outline the scope of temporary dentures • Discuss different designs of temporary partial dentures • Recall the effects on appearance, space maintenance and occlusal relationships • Implement procedures to condition the patient for wearing a partial denture • Understand the procedure for placement of temporary dentures	SGD Practical demo.	MCQs OSPE
22.	Considerations for maxillofacial prosthodontics	• Explain the scope of partial dentures in maxillofacial rehabilitation • Classify the maxillofacial defects • Classify the maxillofacial defect prostheses • Understand the timing of maxillofacial prosthodontic work • Explain features of maxillary defect prostheses • Explain features of mandibular defect prostheses	Interactive lecture	MCQs

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	Introduction to fixed prosthodontics	- Define the term “Fixed prosthodontics” - Recall the advantages and disadvantages - Recall the indications and contraindications	Interactive lecture	1	MCQs
	Prescribing the prosthodontic service	- Enumerate the extra-oral and intra-oral factors affecting the decision making - Recall the conditions favoring fixed partial dentures - Recall the conditions favoring removable partial dentures - Recall the conditions favoring complete dentures	Interactive lecture	2	MCQs
	Diagnosis and treatment planning	- Identify the patient treatment needs - Decide treatment for missing tooth - Summarize the process of selecting abutment teeth for single missing tooth - Summarize the process of selecting abutment teeth for multiple missing teeth - Outline the sequence of providing a given treatment	Lecture	3	
	Principles of crown preparation	- Classify the requirements of crown preparation - Summarize the biologic principles - Summarize the mechanical principles - Summarize the esthetic principles - Outline the importance of diagnostic preparations and waxup	Interactive lecture SGD	3	MCQs OSPE

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(Partial Denture Prosthodontics)

	Preparation of complete cast crown	- Recall the required depths of preparations - Recall the advantages and disadvantages - Recall the indications and contraindications - Enumerate the preparation armamentarium - Outline the steps of crown preparation - Prepare 3 mandibular molars (extracted or phantom) for cast crown	SGD Practical demo		MCQs OSPE
	Preparation of metal-ceramic crown	- Recall the required depths of preparations - Recall the advantages and disadvantages - Recall the indications and contraindications - Enumerate the preparation armamentarium - Outline the steps of crown preparation - Prepare 3 maxillary incisors (extracted or phantom) for metal-ceramic crown	SGD Practical demo		MCQs OSPE
	Preparation of all-ceramic crown	- Recall the required depths of preparations - Recall the advantages and disadvantages - Recall the indications and contraindications - Enumerate the preparation armamentarium - Outline the steps of crown preparation	SGD Practical demo		MCQs OSPE

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	Pontic design	• Define the term “Pontic” • Classify the pontics according to mucosal contact • Describe the sanitary pontic • Describe the modified sanitary pontic • Describe the ridge lap pontic • Describe the modified ridge lap pontic • Describe the conical pontic • Describe the ovate pontic • Outline the requirements of pontics	Interactive lecture	1	MCQs OSPE
	Occlusion	• Classify the occlusion scheme • Describe the mandibular movements • Differentiate between pathogenic and normal occlusion • Outline the scope of occlusal treatment and adjustment	Interactive lecture		SEQs
	Implant-supported fixed prostheses	• Classify the types of implant prostheses			