



**SYLLABUS**  
For  
**7<sup>th</sup> Semester**  
(Final Professional) BDS



**SUBJECT: OPERATIVE DENTISTRY  
SEMESTER: SEVENTH**

LEC. #	TOPICS
<b>MODULE – I: DENTAL CARIES (One Month)</b>	
1	INTRODUCTION TO OPERATIVE DENTISTRY
2	PATIENT EVALUATION: HISTORY & ORAL EXAMINATION
3	CARIES MANAGEMENT:DIAGNOSIS AND DETECTION
4	CARIES MANAGEMENT: PREVENTIVE &TREATMENT STRATEGIES
5	MANAGEMENT OF DEEP CARIOUS LESIONS
6	PULPAL CONSIDERATION IN OPERATIVE DENTISTRY (RISK FACTORS FOR PULP DAMAGE, PRESERVING THE PULPAL INTEGRITY)
<b>Module-I Test (Short Essays &amp; BCQs)</b>	
<b>MODULE – II: (One Month)</b>	
7	FIELD ISOLATION
8	FUDAMENTALS OF TOOTH PREPARATION
9	INTSTRUMENTS AND EQUIPEMENT OF TOOTH PREPARATION
10	APPLIED CHEMISTRY OF DENTAL AMALGAM
11	CLASS-1 AMALGAM RESTORATIONS
12	CLASS-II AMALGAM RESTORATIONS
13	CLASS-V AMALGAM RESTORATIONS
14	CUSPAL COVERAGE & PIN-RETAINED AMALGAM RESTORATIONS
<b>Module-II Test (Short Essays &amp; BCQs)</b>	
<b>MODULE - III: ADHESIVE RESTORATIONS</b>	
15	ADHESION TO ENAMEL AND DENTINE
16	APPLIED CHEMISTRY OF RESIN-COMPOSITE
17	ANTERIOR COMPOSITE RESTORATIONS (CLASS-III , IV & V)
18	DIRECT COMPOSITE VENEERS AND CLOSURE OF MEDIAN DIASTEMA
19	POSTERIOR COMPOSITE RESTORATIONS
20	NON-CARIOUS CERVICAL LESIONS & GLASS-IONMER IN OPERATIVE DENTISTRY
<b>Module-III Test (Short Essays &amp; BCQs)</b>	
<b>MODULE - IV: PEADODONTIC</b>	
21	RAMPANT CARIES
22	PREVENTIVE STRAGIES INCLUDING PARANT’S COUNSILING, HOME CARE, DIETARY MANAGEMENT, FLUORIDE ADMINSTRATION, PITS & FISSURE SEALANTS
23	ANESTHESIA AND CHILD HANDLING IN DENTAL PRACTICS
24	RESTORATIONS OF PRIMARY TEETH
25	TOOTH DISCLORATION AND MANGEMENT
<b>Module-IV Test (Short Essay &amp; BCQs)</b>	



**SUBJECT: OPERATIVE DENTISTRY (DEMONSTRATION & SUPERVISION IN GROUPS)**

<b>DAYS: Monday to Saturday (00:00 AM TO 00:00 PM)</b>	
<b>PRAC.</b>	<b>TOPICS</b>
1	PATIENT EVALUATION HISTORY TAKING AND ORAL EXAMINATION, DIAGNOSIS AND TREATMENT PLANNING
2	RUBBER DAM APPLICATION ON PATIENT
3	<u>AMALGAM RESTORATIONS:</u>
4	o CAVITY PREPARATION
5	o LINING AND PRESERVING PULP INTEGRITY
6	o PLACEMENT OF AMALGAM,CARVING,BURNISHING AND POLISHING
7	o PLACEMENT OF MATRIX BANDS AND WEDGES
8	o CUSPAL COVERAGE & PIN-RETAINED AMALGAM RESTORATION
9	o EVALUATION, REPAIR & REPLACEMENT OF OLD AMALGAM RESTORATIONS
10	<u>RESIN-COMPOSITE RESTORATIONS (ANTERIOR AND POSTERIOR)</u>
11	o CAVITY PREPARATION
12	o PLACEMENT OF COMPOSITE INCLUDING ISOLATION, ETCHING, BONDING, RESTORATION, FINSHING & POLISHING
13	o DIRECT COMPOSITE VENEERS & CLOSURE OF MEDIAN DIASTEMA
14	<u>RESTORATIONS OF CLASS-V LESIONS</u>
15	o GLASS-IONOMER BASES RESTORATIONS
16	o SANDWICH TECHNIQUES
17	RESTORATIONS OF PRIMARY TEETH
	<b>POSTING TEST (OSPE)</b>



**SUBJECT: ORAL SURGERY  
SEMESTER: SEVENTH**

LEC. #	TOPICS
<b>MODULE – I</b>	
1	Preoperative Health Status Evaluation, (H&E) Renal problems
2	Cardiovascular Problems, Pulmonary problems, Hepatic problems, Endocrine problems, Hematological problems Neurologic problems
3	Prevention & Management of Medical Emergencies
4	Hypersensitivity Reaction, Chest Discomfort, Respiratory Difficulty (Asthma, COPD, Foreign Body Aspiration)
5	Altered Consciousness (Vasovagal Syncope, Seizure, Diabetes Mellitus, Orthostatic Hypotension, Thyroid Dysfunction, adrenal Insufficiency)
6	Introduction of Local Anesthesia (Composition , Types, Regional Anatomy)
7	Infiltration Techniques, Block Techniques, Complications of L/A
8	Principles of Surgery, indication, Design, Tissue Handling, Hemostasis
9	Infection control in Surgical practice, Communicable Pathogenic Organisms, Aseptic Techniques & Precautions
10	Techniques of Instruments Sterilization
11	Wound repair Soft Tissue and Hard Tissue Healing, Nerve Healing, complication, Factors that impair Healing
<b>Module-I Test (OSPE Based)</b>	
<b>MODULE – II</b>	
12	Instrumentation for Basic Oral Surgery, Dental Forceps Maxillary/Mandibular,
13	Other Instrumentation use in Oral Surgery, Instruments Tray system
14	Principles of Uncomplicated Exodontia, Indication , Contraindication, Clinical & Radiographic Evaluation for Extraction Of teeth, Patients Chair Position
15	Principles of Elevator & Forceps Use Procedure for Close Extraction, Specific Techniques for Each Tooth Removal, Postextraction Socket Care
16	Principles of more complex exodontia Flap Design, Development & Management
17	Principles & Techniques for Open Extractions, Multiple Extractions, Treatment Planning/Sequence/Technique
18	Principles of Management of Impacted Teeth, Indication, contraindication
19	3 <sup>rd</sup> molar Mandibular Impacted teeth removal Surgical Techniques
20	3 <sup>rd</sup> molar Maxillary Impacted teeth removal Surgical Techniques, Canine & Other impacted Teeth Removal Techniques
21	Post Operative patient Management, Hemorrhage/Pain/Discomfort/Follow-Up/Record
22	Prevention & Management of Surgical Complications, Soft Tissue/Hard Tissue
<b>Module-II Test (OSPE Based)</b>	
<b>MODULE – III</b>	
23	Principles of Management & prevention of Odontogenic Infections
24	Principles of Prevention of Infections, Principles of Prophylaxis of Wound Infections/ Metastatic Infection & Therapeutic use of antibiotics / its principles
25	Complex Odontogenic Infections/ Infection from Any Tooth
26	Deep Fascial Space Infections, Management Deep Facial Infections
27	Osteomyelitis / Actinomycosis / Candidiasis
28	Odontogenic Diseases of Maxillary Sinus
29	Different Maxillary Sinus Disease and their Mangement
<b>Module-III Test (OSPE Based)</b>	
<b>MODULE – IV</b>	
30	Principles of Differential Diagnosis & Biopsy, Examination & Diagnostic Methods, General Principles of Biopsy
31	Intraosseous Biopsy Techniques & Principles



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32	Surgical Management of Oral Pathological Lesions (Basic Goals)
33	Surgical Management of Cyst & Cyst like Lesions of Jaw
34	Enucleation & Marsuplization
35	Principles of Surgical Management of Jaw Tumors
	<b>Module-IV Test (OSPE Based)</b>

**SUBJECT: ORAL SURGERY (DEMONSTRATION & SUPERVISION IN GROUPS)**

<b>DAYS: Monday to Saturday</b>	
<b>PRAC.</b>	<b>TOPICS</b>
1	<b>Introduction to Oral Surgery ( History examination diagnosis)</b>
2	<b>Chair position (Patient, Operator)</b>
3	<b>Infiltration technique in Oral Surgery</b>
4	<b>Block Technique in Oral Surgery</b>
5	<b>Techniques for uncomplicated / complicated exodontia</b>
6	<b>Medical Emergencies &amp; management in Oral Surgery</b>



**SUBJECT: PROSTHODONTICS**  
**SEMESTER: SEVENTH**

LEC. #	TOPICS
<b>MODULE - I</b>	
1	INTRODUCTION & BRANCHES OF PROSTHODONTICS
2	ART OF DIAGNOSIS ( History Taking, Psychiatric Evaluation Of Patients)
3	ART OF DIAGNOSIS (pt: examination including evaluation of Face form, Tongue form, Ridge form and relations, Oral condition of denture bearing area, Applied Anatomy and physiology)
4	ART OF DIAGNOSIS (pt: examination including evaluation of Face form, Tongue form, Ridge form and relations, Oral condition of denture bearing area, Applied Anatomy and physiology)
5	ART OF DIAGNOSIS ( Investigation including radiography, cast & old denture assessment)
6	IMPRESSION PROCEDURES (Objectives, Theories and techniques of impressions)
7	IMPRESSION PROCEDURES (Impression Techniques: primary, wash and secondary impressions, impression trays, impression materials)
8	IMPRESSION PROCEDURES(Factor)s responsible for physical retention, physiological, mechanical, surgical and psychological factors
9	IMPRESSION PROCEDURES(Factors responsible for physical retention, physiological, mechanical, surgical and psychological factors)
<b>Module-I Test</b>	
<b>MODULE - II</b>	
11	ARTICULATORS (Theories of articulation, types, uses, advantages & limitation of each type of articulators)
12	ARTICULATORS (Theories of articulation, types, uses, advantages & limitation of each type of articulators)
13	MAXILLO-MANDIBULAR RELATIONS( orientation records including: Face bows , arbitrary and kinematics & their uses)
14	MAXILLO-MANDIBULAR RELATIONS (Types of VD, Methods to record Occlusal and Rest vertical relations, effects of increasing or reducing the VD)
15	MAXILLO-MANDIBULAR RELATIONS (Types of VD, Methods to record Occlusal and Rest vertical relations, effects of increasing or reducing the VD)
16	HORIZONTAL RELATIONS( CR, its significance & methods of recording the CR)
17	HORIZONTAL RELATIONS( Eccentric relations, significance , types , methods of recording the protrusive & lateral relations)
<b>MODULE - III</b>	
18	SELECTION OF ARTIFICIAL TEETH (pre & post-extraction criteria for determining size, shape, colour, shade, position and relationship anterior six teeth.
19	SELECTION OF ARTIFICIAL TEETH (pre & post-extraction criteria for determining size, shape, colour, shade, position and relationship posterior teeth.
20	ARRANGEMENT OF ARTIFICIAL TEETH (Role of pre-extraction & post extraction biometric guides for arrangement of artificial teeth.
21	ARRANGEMENT OF ARTIFICIAL TEETH(different types of arrangements including, conventional, according to face form & where skeletal discrepancy exist)
22	THEORIES OF COMPLETE DENTURE OCCLUSION(types of occlusal schemes especially balanced occlusion, factors effecting the balanced occlusion)
23	TRIAL DENTURES
24	POST INSERTION INSTRUCTIONS
25	POST INSERTION COMPLAINTS
26	POST INSERTION COMPLAINTS



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<b>Module-III Test</b>	
<b>MODULE - IV</b>	
27	<b>Relining, Rebasing and repairs General indications and principles/procedures.</b>
28	<b>Relining, Rebasing and repairs General indications and principles/procedures.</b>
29	Immediate Dentures and Replacement Dentures(Objectives, Classification and types, Indications and contra indications)
30	Immediate Dentures and Replacement Dentures(Clinical and laboratory procedures, Multi disciplinary approach including care during surgery, Insertion, care, follow up and maintenance)
31	<b>Over Dentures</b> (Definitions, Applied Anatomy and Physiology, Diagnosis, treatment planning and prognosis)
32	<b>Over Dentures</b> [Classifications and types, Indications contra indication (advantage and disadvantages)]
33	<b>Precision Retained Dentures</b> Intra Coronal, Extra Coronal and Intra radicular attachments
34	COPY DENTURES (Definition, advantages/disadvantages)
35	COPY DENTURES (procedure & material required to make a copy denture)
<b>Module-IV Test</b>	

**SUBJECT:        PROSTHODONTICS (DEMONSTRATION & SUPERVISION IN GROUPS)**

<b>DAYS: Monday to Saturday (00:00 AM TO 00:00 PM)</b>	
<b>PRAC.</b>	<b>TOPICS</b>
1	
2	
3	
4	
5	



**SUBJECT: ORTHODONTICS**  
**SEMESTER: SEVENTH**

LEC. #	TOPICS
<b>MODULE - I</b>	
1	Introduction to orthodontics
2	Types of orthodontics a) Preventive Orthodontics b) Interceptive Orthodontics c) Corrective Orthodontics d) Surgical orthodontics
	Aims and needs of orthodontic treatment
3	Development and growth of the base of the skull, prenatal, postnatal, maxilla, mandible, tongue and TMJ.
4	Development and growth of the base of the skull, prenatal, postnatal, maxilla, mandible, tongue and TMJ
5	Clinical approach of development and growth
6	Diagnostic AIDS a) intra oral diagnosis b) extra oral diagnosis c) clinical diagnosis
7	a) cast analysis b) space analysis c) mixed dentition analysis permanent dentition analysis
8	
	Module-I Test (SBQ & OSPE)
<b>MODULE - II</b>	
9	Removable appliances
10	Removable appliances
11	Removable appliances
12	Removable appliances
13	Radiographs lateral cephalometric cephalogram, types, technique significances and film development
14	OPG X-Rays (types, technique ,significances and film development
15	Periapical X-Rays (types, technique ,significances and film development
16	Occlusal X-Rays (types, technique ,significances and film development
	Module-II Test (SBQ & OSPE)
<b>MODULE - III</b>	
17	Tooth mass and size ➤ bolton's analysis
18	Normal occlusion ➤ andrews six keys
19	Malocclusion
20	Cephalometric X-Ray significance of cephalometric identification of skeletal, dental pattern and soft tissues
	exposure of cephalometric X-Ray and technique





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	identification of landmarks, points, planes and angles
	Different types of analysis a) Steiner's analysis
	wits analysis Harvold analysis
<b>MODULE - IV</b>	
21	Habbits
22	Habbits
23	swallowing pattern
24	Extractions
25	Extractions ➤ serial extractions
26	Extractions ➤ balanced extractions
27	Extractions ➤ compensatory extractions
28	
	Module-IV Test (SBQ & OSPE)

**SUBJECT: ORTHODONTICS (DEMONSTRATION & SUPERVISION IN GROUPS)**

<b>DAYS: Monday to Saturday (00:00 AM TO 00:00 PM)</b>	
PRAC.	TOPICS
<b>MODULE - I</b>	
	Patient allotment ➤ impression ➤ model allotment
	Cast analysis
1	Space analysis
	Wire work ➤ adam's clasp ➤ springs, single cantilever, double cantilever ➤ different types of labial bows ➤ canine retractor and depressor ➤ robert's retractor
	Record keeping + attendance
3	<b>MODULE - II</b>
4	Patient allotment ➤ impression ➤ model allotment
	Cast analysis
5	Space analysis
	Wire work ➤ adam's clasp ➤ springs, single cantilever, double cantilever ➤ different types of labial bows ➤ canine retractor and depressor ➤ robert's retractor
6	Record keeping + attendance
<b>MODULE - III</b>	
	Patient allotment ➤ impression ➤ model allotment
	Cast analysis



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	Space analysis
	Wire work <ul style="list-style-type: none"><li>➤ adam's clasp</li><li>➤ springs, single cantilever, double cantilever</li><li>➤ different types of labial bows</li><li>➤ canine retractor and depressor</li><li>➤ robert's retractor</li></ul>
	Record keeping + attendance
<b>MODULE - IV</b>	
	Patient allotment <ul style="list-style-type: none"><li>➤ impression</li><li>➤ model allotment</li></ul>
	Cast analysis
	Space analysis
	Wire work <ul style="list-style-type: none"><li>➤ adam's clasp</li><li>➤ springs, single cantilever, double cantilever</li><li>➤ different types of labial bows</li><li>➤ canine retractor and depressor</li><li>➤ robert's retractor</li></ul>
	Record keeping + attendance



**SYLLABUS**  
For  
**8<sup>th</sup> Semester**  
(Final Professional) BDS



**SUBJECT: OPERATIVE DENTISTRY  
SEMESTER: EIGHTH**

LEC. #	TOPICS
<b>MODULE – I: BASIC ENDODONTICS</b>	
1	INTRODUCTION TO ENDODONTICS
2	PHYSIOLOGY OF DENTAL PULP AND PERIAPICAL TISSUES
3	PATHOLOGY OF DENTAL PULP AND PERIAPICAL TISSUES & ENDO-MICROBIOLOGY
4	HISTORY TAKING, EXTRA & INTRA ORAL EXAMINATION AND INVESTIGATION
5	ENDODONTIC RADIOGRAPHY
6	DIAGNOSIS, TREATMENT PLANNING AND CASE SELECTION
<b>Module-I Test (Short Essays &amp; BCQs)</b>	
<b>MODULE – II: CLINICAL ENDODONTICS</b>	
7	LOCAL ANESTHESIA AND PAIN MANAGEMENT
8	FIELD ISOLATION
9	MANAGEMENT OF ENDODONTIC EMERGENCIES (NON-TRAUMATIC)
10	INTERNAL ANATOMY AND ENDO-PERIO INTER RELATIONSHIP
11	ENDODONTIC ARMAMENTARIUM
12	ENDODONTIC ACCESS AND WORKING LENGTH DETERMINATION
13	ROOT CANAL CLEANING AND SHAPING
14	INTRA CANAL MEDICAMENTS
15	ENDODONTIC SEALERS AND ROOT CANAL OBTURATION
<b>Module-II Test (Short Essays &amp; BCQs)</b>	
<b>MODULE – III: CLINICAL ENDODONTICS</b>	
16	PROCEDURAL ACCIDENTS AND MANAGEMENT
17	NON-SURGICAL RETREATMENT
18	SURGICAL ENDODONTICS
19	DENTAL TRAUMA (CORONAL FRACTURES, APEX GENSIS, SPECIFICATION)
20	DENTAL TRAUMA (CROWN-ROOT FRACTURE, HORIZONTAL VERTICAL ROOT FRACTURE)
21	INTRODUCTION TO REGENERATIVE ENDODONTICS
22	ENDODONTIC OF PRIMARY TEETH
<b>Module-III Test (Short Essays &amp; BCQs)</b>	
<b>MODULE – IV: ADVANCED RESTORATIVE PROCEDURE</b>	
23	MANAGEMENT OF TEETH DISCOLORATION
24	DIRECT AND INDIRECT TOOTH VENEERS
25	AESTHETIC INLAYS AND ONLAYS
26	FULL-COVERAGE CROWN (PFM AND ALL CERAMIC)
27	RESTORATION OF ENDODONTICALLY TREATED TEETH
28	CAST-GOLD RESTORATIONS
<b>Module-IV Test (Short Essays &amp; BCQs)</b>	

**SUBJECT: OPERATIVE DENTISTRY (DEMONSTRATION & SUPERVISION IN GROUPS)**

<b>DAYS: Monday to Saturday (00:00 AM TO 00:00 PM)</b>	
PRAC.	TOPICS
1	PATIENT EVALUATION HISTORY TAKING AND ORAL EXAMINATION, DIAGNOSIS AND TREATMENT PLANNING
2	PERFORMING AND INTERPRETATION OF INVESTIGATIONS (PULP TESTING, PERCUSSION, PALPATION, MOBILITY TEST, SINUS TRACING)
3	READING RADIOGRAPH AND INTERPRETATION
4	CASE SELECTION
5	PERFORMING ENDODONTICS ON EXTRACTED TEETH
6	PERFORMING ENDODONTIC OF SINGLE ROOTED TEETH ON PATIENT



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7	RUBER DAM APPLICATION
8	MANAGEMENT OF SIMPLE DENTAL TRUAMATIC INJURIES
9	DIRECT COMPOSITE VENEERS
10	INLAYS AND ONLAYS PREPARATION
11	CROWN PREPARATION
12	CUSPAL COVERGAE AMALGAM RESTORATION
13	IMPRESSION TAKING (ELASTOMERS)
14	POST PREPARATION AND PLACEMENT IN EXTRACTED TEETH
	<b>POSTING TEST (OSPE)</b>



**SUBJECT: ORAL & MAXILLOFACIAL SURGERY  
SEMESTER: EIGHTH**

LEC. #	TOPICS
	<b>MODULE - I</b>
1	Fractures of Mid Face Introduction
2	General management of patient with Midface fracture
3	Lefort Fractures sign & Symptoms
4	Management Of Lefort Fractures
5	Fractures Zygomatic Complex and Orbital Floor Introduction
6	Sign & Symptoms & Management of Zygomatic Complex Fracture
7	Fractures Of Nasal Bone
	<b>Module-I Test (OSPE Based)</b>
	<b>MODULE - II</b>
12	Introduction to Mandibular Fracture, Etiology, Early Management
13	Clinical / Radiological Features of Mandible Fracture
14	Techniques for management of Mandibular Fractures
15	Edentulous & Green Stick Fractures
16	Orofacial Pain and Different Pain Disorders
17	Dent alveolar Injuries Classification & Management
18	Soft Tissue Injuries Classification and Management
	<b>Module-II Test (OSPE Based)</b>
	<b>MODULE - III</b>
23	Management of Temporo mandibular Joint Disorders
24	Ankylosis and Disk Displacement Disorders
25	Radiography and Management of TMJ Disorders
26	Diagnosis & Management of Salivary Gland Disorders Introduction
27	Diagnostic Modalities of Salivary Gland
28	Benign & Malignant Diseases of Salivary Gland
29	Management of orofacial Clefts
30	Classification of clefts
31	Surgical techniques and repair timing of Orofacial Cleft
	Principles of Endodontic Surgery Introduction & Classification
	Corrective Surgery techniques
	<b>Module-III Test (OSPE Based)</b>
	<b>MODULE - IV</b>
34	Preprosthetic Surgery Introduction
35	Frenectomy, Vestibuloplasty and Myloaloid Ridge reduction Procedures
37	Correction of Dentofacial Deformities Introduction
38	Maxillary and Mandibular Excess Surgeries
39	Bilateral Sagittal split osteotomy
40	Surgical Correction of defects of Jaw Introduction
41	Types of Grafts used for reconstruction
42	Contemporary Implant Dentistry Introduction and components of Implant
43	Surgical techniques of Implant Placement
44	Failure of Implant Reasons, Implant in atrophic mandible
	Dental Management of patients undergoing Radiotherapy to Head & Neck



**SUBJECT: ORAL SURGERY (DEMONSTRATION & SUPERVISION IN GROUPS)**

<b>DAYS: Monday to Saturday</b>	
<b>PRAC.</b>	<b>TOPICS</b>
1	Introduction to Oral Surgery ( History examination diagnosis)
2	Chair position (Patient, Operator)
3	Infiltration technique in Oral Surgery
4	Block Technique in Oral Surgery
5	Techniques for uncomplicated / complicated exodontia
6	Medical Emergencies & management in Oral Surgery
7	Suturing techniques
8	How to perform IMF on Models



**SUBJECT: PROSTHODONTICS**  
**SEMESTER: EIGHTH**

LEC. #	TOPICS
	<b>MODULE - I</b>
1	<b>Principles of Fixed prosthodontics</b> (Definitions, Applied Anatomy and Physiology)
2	<b>Principles of Fixed prosthodontics</b> (History General and oral examination, Evaluation, Diagnosis and treatment planning, prognosis)
3	<b>CROWNS</b> (Material considerations, Types of crowns, Indications and contra indications (Advantages and disadvantages)
4	<b>CROWNS</b> (Principles of tooth preparations + laboratory steps)
5	<b>CROWNS</b> (Impression techniques)
6	<b>CROWNS</b> (Temporary and provisional restorations, Cementation of temporary crowns)
7	<b>CROWNS</b> (Try in Occlusal adjustments, Final cementation including material condition)
8	<b>CROWNS</b> (Post insertion follow up)
9	<b>CROWNS</b> (Post insertion complications and their management.)
	<b>Module-I Test</b>
	<b>MODULE - II</b>
10	<b>BRIDGES</b> (Classification and types)
11	<b>BRIDGES</b> (Components of a bridge)
12	<b>BRIDGES</b> (Design of various component parts)
13	<b>BRIDGES</b> (Abutment and retainer selection)
14	<b>BRIDGES</b> (Margin placement and pontic design.)
15	<b>BRIDGES</b> (Tooth preparation, Impression procedures, Lab procedures)
16	<b>BRIDGES</b> (Localization & trial of bridge frame work, Final cementation, Post insertion follow up)
	<b>Module-II Test</b>
	<b>MODULE - III</b>
17	<b>Maxillo- Facial Prosthetics</b> (Classification of congenital and acquired defects)
18	<b>Maxillo- Facial Prosthetics</b> (Principles governing treatment and management of patients presenting with these defects)
19	<b>Maxillo- Facial Prosthetics</b> (Facial prostheses)
20	<b>Maxillo- Facial Prosthetics</b> (Obturator)
21	<b>Maxillo- Facial Prosthetics</b> (Cleft palate prosthesis, Speech aid prostheses)
22	<b>Occlusion including TMD/MPD</b> (Theories and Principles of Occlusion)
23	<b>Occlusion including TMD/MPD</b> (Occlusal Trauma)
24	<b>Occlusion including TMD/MPD</b> (Concept, Etiology, Treatment options and planning)
25	<b>Occlusion including TMD/MPD</b> (Splints and Stents)
	<b>Module-III Test</b>
	<b>MODULE - IV</b>
26	Implantology (Types of implants)
27	Implantology (Osseo integration and Bio compatibility)
28	Implantology (Limitation of implants)
29	Implantology (Prosthodontics Options)
30	<b>Gerodontology</b> (Principles and procedures relating to the management of medically compromised patients)
31	<b>Gerodontology</b> (Effects of medication, Medical conditions having oral manifestation)
32	<b>Gerodontology</b> (Principles of prosthodontics procedures in geriatric patients)
33	<b>Gerodontology</b> (Geriatric Nutrition)
	<b>Module-IV Test</b>





**SUBJECT: ORTHODONTICS  
SEMESTER: EIGHTH**

LEC. #	TOPICS
<b>MODULE - I</b>	
1	Fixed appliances, definitions, indications
2	Fixed appliances, different components in detail
3	Fixed appliances different techniques
4	Fixed appliance types of different alloys,
5	Indications of extra oral appliances, types and significances
6	Indications of extra oral appliances, types and significances
7	Expansion appliances, types, indications, construction
8	Expansion appliances, types, indications, construction
<b>Module-I Test (SBQ &amp; OSPE)</b>	
<b>MODULE - II</b>	
9	Fixed appliances, bonding and banding
10	Fixed appliances, Bonding and banding.
11	Fixed appliances, 1st order, 2nd order and 3rd order band, indications and uses.
12	Fixed appliances, 1st order, 2nd order and 3rd order band, indications and uses.
13	Anchorage, definition, classification
14	Anchorage, uses, planning and control
	Etiology of malocclusion
	Etiology of malocclusion
<b>Module-II Test (SBQ &amp; OSPE)</b>	
<b>MODULE - III</b>	
15	Biomechanics, concepts, types
16	Biomechanics, concepts, types
17	Bone metabolism, normal structure of periodontal ligament and bone
	The role and effect of orthodontic forces and factors affecting tooth movement
	The role and effect of orthodontic forces and factors affecting tooth movement
	Treatment planning of non-skeletal problems, class I malocclusion, class II drift 1 and 2
	Treatment planning of non-skeletal problem, crowding and spacing
	Treatment planning of non-skeletal problems, open bite, deep bite and cross bites
<b>Module-III Test (SBQ &amp; OSPE)</b>	
<b>MODULE - IV</b>	
18	Treatment planning of skeletal problems, skeletal class II
19	Treatment planning of skeletal problems, skeletal Class III
20	Treatment planning of skeletal problems, skeletal open bite
21	Treatment planning of skeletal problems, skeletal deep bite
22	Adjunctive treatment goals and principles of surgical orthodontics and indications
23	Extractions
	Cleft lip and palate, classification and treatment
	Ortho surgeries
<b>Module-IV Test (SBQ &amp; OSPE)</b>	
<b>PRACTICAL TOPICS</b>	
<b>MODULE - I</b>	
1	Case allotment
2	Cephalometric X-Ray & OPG -- How to trace? How to diagnose? How to do analysis
3	Cephalometric analysis and interpretation
4	Treatment planning
	Fabrication of appliances
	Record keeping+ attendance
<b>MODULE - II</b>	



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5	Case allotment
6	Cephalometric X-Ray & OPG--- How to trace? How to diagnose? How to do analysis
7	Cephalometric analysis and interpretation
8	Treatment planning
	Fabrication of appliances
	Record keeping+ attendance
	<b>MODULE – III</b>
9	Case allotment
10	Cephalometric X-Ray & OPG--- How to trace? How to diagnose? How to do analysis
	Cephalometric analysis and interpretation
	Treatment planning
	Fabrication of appliances
	Record keeping+ attendance
	<b>MODULE - IV</b>
	Case allotment
	Cephalometric X-Ray & OPG--- How to trace? How to diagnose? How to do analysis
	Cephalometric analysis and interpretation
	Treatment planning
	Fabrication of appliances
	Record keeping+ attendance



## NOTE / INSTRUCTIONS

- 75% ATTENDANCE IS MANDATORY FOR ELIGIBILITY OF EXAMINATION FORM
- IN CASE OF LECTURE IS NOT DELIVERED IT WILL BE COVERED AS EXTRA LECTURE WITH OTHER TOPIC
- ALL THE GROUPS WILL BE TAUGHT THE SAME TOPICS BY SEPRATE GROUP TEACHER
- AFTER EIGHT WEEKS THERE WILL BE UNIT TEST IN ALL SUBJECTS SEPRATELY
  - COMPRISING OF A THEORY PAPER BCQ's AND SHORT ESSAY
  - FOLLOWED BY OSCE /OSPE EXAMIANTION
- AFTER SIXTEEN WEEKS AND TWO WEEKS PREAPRATION LEAVE THERE WILL BE SEMSTER EXAMIANTION IN ALL SUBJECTS SEPRATELY + THREE TAGED SUBJECTS
  - COMPRISING OF A THEORY PAPER 35-BCQ's AND 6/8 SHORT ESSAY QUESTIONS
  - FOLLOWED BY VIVA VOCE/OSPE EXAMIANTION



## **BOOKS RECOMMENDED**

### **OPERATIVE DENTISTRY**

- 1.

### **ORAL & MAXILLOFACIAL SURGERY**

1. Contemporary Oral & Maxillofacial Surgery 5<sup>th</sup> Edition By James R. Hupp
2. Text Book of Local Anesthesia By Geofry
3. Text Book of Local Anesthesia By Malamd
4. Killeys Fractures of the Mandible (A Clinical Approach)
5. Killeys Fractures of the Middle Third of the Facial skeleton (A Clinical Approach)

### **PROSTHODONTICS**

1. Boucher's Prosthodontics treatment for edentulous Patients by Dicky and Zarb, 11<sup>th</sup> edition
2. Mac Crane n's Removable partial dentures, 10<sup>th</sup> edition
3. Contemporary fixed prosthodontics by Rossential and Fujimoto
4. Dental Implant Prosthodontics by Carl E. Mish
5. Planning and making crowns and bridges by B. G. Smith

### **ORTHODONTICS**

- 1.