

## **4B.2.2 SYLLABUS ( Including Teaching Hours.)**

### **MUST KNOW**

**30 HRS**

1. Introduction to Complete Dentures:  
Components / Parts of a Complete Dentures  
Steps in fabrication of Complete Dentures
2. Diagnosis & Treatment Planning  
Clinical History taking
3. Mouth Preparation in Complete Dentures  
Pre-prosthetic surgery
4. Impression Making  
Objectives of impression making  
Theories of impression making  
Anatomical landmarks  
Recording PI& FI  
Beading & Boxing
5. Maxillo & mandibular Relation  
Mandibular Movements  
Orientation JR  
Vertical JR  
Centric JR  
Anatomy of TMJ  
Facebow Parts
6. Articulators & Articulation  
Articulators  
Selection & Arrangement of teeth  
Balanced occlusion
7. Lab Steps in CD
8. Complete Denture Insertion  
Denture Insertion  
Post insertion instructions  
Post insertion problems
9. Relining & Rebasing  
Relining  
Rebasing
10. Special Complete Denture  
Over denture Basic aspect  
Immediate Denture Basic Concept  
Single CD Basic Aspect

## **EXPECTED TO KNOW**

**10 HRS**

Introduction to CD  
Definition Of Prosthodontics  
Definition of CD  
Diagnosis & Treatment Planning  
Patient evaluation  
Radiographic Examination  
Mouth Preparation in CD  
Mouth preparation in CD  
Impression Making  
Impression Techniques in Special Cases  
Reading of Impression  
Indexing Master cast  
Articulators & Articulation  
Remounting  
Lab Steps in CD  
Lab Steps in CD  
Special Complete Denture  
Basic aspect of implant dentures

## **MUST KNOW**

1. Relining & Rebasing: 02 HRS
  - Definition
  - Indications
  - Contra-indications
  - Advantages
  - Disadvantages
  - Relining procedures
  - Rebasing procedure
  
2. Single complete denture 02 HRS
  - Definition
  - Indications
  - Contra-indications
  - Advantages
  - Disadvantages
  - Occlusal modification techniques
  
1. Dentogenic concept and characterization: 02 HRS
  - Introduction
  - Definition
  - Dentogenic concept
  - SPA factors
  
4. Overdentures: 03 HRS
  - Definition

Indications  
Contra-indications  
Advantages  
Disadvantages  
Types of over denture  
Over denture attachment

5. Immediate Denture: 01 HR  
Definition  
Types of immediate Denture  
Indications  
Contra-indications  
Advantages  
Disadvantages  
Treatment procedure
6. Implants in CD: 03 HRS  
Definition  
Indications  
Contra-indications  
Advantages  
Disadvantages  
Types of Implant
7. Introduction classification term and terminology in RPD: 01 HR  
Terminology  
Indications  
Contra-indications of FPD  
Rationale of RPD Treatment  
Kennedys Classification System  
Apple gate rules for Classification
8. Diagnosis & treatment planning in RPD: 03 HRS  
Introduction  
Diagnostics Examination  
Patient interview  
Effect of physical problems on dental treatment  
Effects of drug  
Patients expectation  
Dental history  
Infection control & disinfection  
Evaluation of oral hygiene  
Radio Graph  
Diagnostic impression
9. Evaluation of diagnostic cast  
Treatment plan

10	Major connectors: Definition Structural Requirements Types maxillary major connectors Indication of maxillary major connectors Types mandibular major connectors Indication of mandibular major Connectors	01 HR
11	Minor connectors: Definition Structural Requirements Types minor connectors	01 HR
12	Direct retainers: Definition Classification Parts of the clasp Requirements of clasp design Types of supra bulge clasps Types of infra bulge clasps	03 HRS
13	Indirect Retainers: Definitions Principles of indirect retention Factors determining the effectiveness Forms of indirect retention	01 HR
14	Rest & Rest Seats: Definition Structural Requirements of rest seats Types of rest seats	01 HR
15	I- Bar Removable Partial Dentures: How does differ from conventional barclasp Components of I bar Design concepts RPI system	03 HRS
16	Stress breakers: Definition Principles of stress breakers Types of stress breakers	01 HR
17	Principles of RPD design: Mechanics of movement Support vs force Type of lever force & inclined plane Types of fulcrum Forces acting on partial denture Factors influencing the magnitude of stresses	01 HR

Controlling stress by design considerations

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|----|--|--------|
| 18 | Surveying & Designing:<br>Definition<br>Parts of surveyor<br>Surveying the diagnostic cast<br>Tripoding of cast<br>Importance consideration in use of dental surveyor<br>Path of insertion<br>Factors influencing path of insertion<br>Principles & Philosophy of design | 03 HRS |
| 19 | Functional impression in RPD:<br>Influencing support of distal extension base<br>Indications<br>Impression methods   | 01 HR  |
| 21 | Diagnosis & Treatment Planning in FPD:<br>Abutment definition<br>Ante's Law<br>Criteria for selection of the abutment  | 03 HRS |
| 22 | Principal of Occlusion:<br>Ideal Occlusion<br>Balanced occlusion<br>Group function occlusion<br>Mutually protected occlusion   | 02 HRS |
| 25 | Principles of Tooth Preparation:<br>Ideal requirements<br>Biological considerations<br>Mechanical considerations<br>Esthetic considerations  | 01 HR  |
| 26 | Restoration of endodontically treated teeth:<br>Treatment planning<br>Consideration for anterior teeth<br>Principles of tooth preparation  | 01 HR  |
| 27 | Complete Cast crown preparation:<br>Advantages<br>Disadvantages<br>Indications<br>Contraindications<br>Recommended armamentarium<br>Preparation steps<br>Criteria for preparation  | 03 HRS |
| 28 | Metal ceramic crown preparation:<br>Advantages   | 03 HRS |

	Disadvantages	
	Indications	
	Contraindications	
	Recommended armamentarium	
	Preparation steps	
	Criteria for preparation	
29	All ceramic crown preparation: Advantages Disadvantages Indications Contraindications Recommended armamentarium Preparation steps Criteria for preparation	03 HRS
30	Metal ceramic Restoration: Indications Contra-indications Advantages Disadvantages Trouble shooting	03 HRS
31	All ceramic restoration Ideal requirements Indications Contra-indications Advantages Disadvantages Methods to strengthen ceramics Trouble shooting	03 HRS
32	Impression materials & techniques in FPD Fluid control Retraction of the gingival Elastic impression materials Impression trays Impression making methods	01 HR
33	Provisional restoration Ideal requirements Biological consideration Mechanical consideration Esthetic consideration Techniques of temporization	01 HR
	<b>DESIRABLE TO KNOW</b>	
	Dentogenic concept and characterization General considerations Classification	01 HR

Technique of characterization	
Overdentures:	03 HRS
General considerations	
Patient selection	
Abutment selection	
Basic principles	
Implants in CD	02 HRS
Clinical procedure	
Lab procedure	
Prosthetic phase	
Mouth Preparation in RPD	03 HRS
I- Bar Removable Partial Dentures:	
Design variation	
Surveying & Designing:	
Essentials of design	
Design procedure	
Functional impression in RPD:	
Altered cast techniques	
Lab Procedure in RPD	
Diagnosis & Treatment Planning in FPD:	02 HRS
Introduction	
Examination	
Patient interview	
Effect of physical problems	
Effects of drug	
Dental history	
Infection control & disinfection	
Evaluation of oral hygiene	
Radio Graph	
Diagnostic impression	
Facebow recording	
Evaluation of diagnostic cast	
Centric relation recording	
Treatment plan	
Selection of the abutment	
Principal of Occlusion:	01 HR
Centric relation recording	
Mandibular movement	
Pathologic occlusion	
Occlusal treatment	
Periodontal Consideration in FPD:	01 HR
Anatomy	
Examination diagnosis & treatment plan	
Evaluation of initial therapy	

Surgical therapy evaluation

Mouth Preparation in FPD: 01 HR  
Oral Surgery procedure  
Restorative procedure  
Endodontic procedure  
Periodontic procedure  
Orthodontic procedure

Restoration of endodontically treated teeth: 01 HR  
Procedures  
Removal of the Endodontic filling material  
Enlargement of canal  
Preparation of the coronal tooth structure  
Post fabrication procedures  
Core fabrication procedures

Partial Veneer Crown, Inlay, Onlay preparation: 01 HR  
Advantages  
Disadvantages  
Indications  
Contraindications  
Recommended armamentarium  
Preparation steps  
Criteria for preparation

All ceramic, Inlay, Onlay, Laminates preparation: 01 HR  
Advantages  
Disadvantages  
Indications  
Contraindications  
Recommended armamentarium  
Preparation steps  
Criteria for preparation

Metal ceramic Restoration 01 HR  
History  
Metal Preparation  
Porcelain preparation  
Types of porcelain  
Porcelain metal bonding  
Procedure

All ceramic restoration 01 HR  
History  
Types of ceramic  
All ceramic system



### 4B.2.3 EXAMINATION PATTERN

Name of the Exercise	Time	Marks
Case History	20 min	10
Tray Selection	10 min	10
Border moulding and Final impression	1hr and 20 min	35
Tooth preparation and wax pattern	1hr	30
Journal		05