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

18 Surveying & Designing: 03 HRS
Definition
Parts of surveyor
Surveying the diagnostic cast
Tripoding of cast
Importance consideration in use of dental surveyor
Path of insertion
Factors influencing path of insertion
Principles & Philosophy of design

19 Functional impression in RPD: 01 HR
Influencing support of distal extension base
Indications
Impression methods

21 Diagnosis & Treatment Planning in FPD: 03 HRS
Abutment definition
Ante’s Law
Criteria for selection of the abutment

22 Principal of Occlusion: 02 HRS
Ideal Occlusion
Balanced occlusion
Group function occlusion
Mutually protected occlusion

25 Principles of Tooth Preparation: 01 HR
Ideal requirements
Biological considerations
Mechanical considerations
Esthetic considerations

26 Restoration of endodontically treated teeth: 01 HR
Treatment planning
Consideration for anterior teeth
Principles of tooth preparation

27 Complete Cast crown preparation: 03 HRS
Advantages
Disadvantages
Indications
Contraindications
Recommended armamentarium
Preparation steps
Criteria for preparation

28 Metal ceramic crown preparation: 03 HRS
Advantages
Disadvantages
Indications
Contraindications
Recommended armamentarium
Preparation steps
Criteria for preparation

29 All ceramic crown preparation: 03 HRS
Advantages
Disadvantages
Indications
Contraindications
Recommended armamentarium
Preparation steps
Criteria for preparation

30 Metal ceramic Restoration: 03 HRS
Indications
Contra-indications
Advantages
Disadvantages
Trouble shooting

31 All ceramic restoration 03 HRS
Ideal requirements
Indications
Contra-indications
Advantages
Disadvantages
Methods to strengthen ceramics
Trouble shooting

32 Impression materials & techniques in FPD 01 HR
Fluid control
Retraction of the gingival
Elastic impression materials
Impression trays
Impression making methods

33 Provisional restoration 01 HR
Ideal requirements
Biological consideration
Mechanical consideration
Esthetic consideration
Techniques of temporization

DESIRABLE TO KNOW

Dentogenic concept and characterization 01 HR
General considerations
Classification
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

<table>
<thead>
<tr>
<th>Name of the Exercise</th>
<th>Time</th>
<th>Marks</th>
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<tbody>
<tr>
<td>Case History</td>
<td>20 min</td>
<td>10</td>
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<tr>
<td>Tray Selection</td>
<td>10 min</td>
<td>10</td>
</tr>
<tr>
<td>Border moulding and Final impression</td>
<td>1hr and 20 min</td>
<td>35</td>
</tr>
<tr>
<td>Tooth preparation and wax pattern</td>
<td>1hr</td>
<td>30</td>
</tr>
<tr>
<td>Journal</td>
<td></td>
<td>05</td>
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