

FOURTH YEAR B.D.S. DEGREE EXAM
(Common to Final Year Paper VII - Modified Regulation III Candidates and
Final Year Paper V - New Modified Regulation Candidates)

PAPER V – PROSTHODONTICS AND
CROWN AND BRIDGE

Q.P Code: 544220

Time: 180 Minutes

Maximum: 70 Marks

I. Elaborate on: **(2 x 10 = 20)**

1. Define centric relation and mention various methods to register centric relation in complete denture. Discuss one method in detail.
2. Define pontic in Fixed Partial Denture. Discuss the selection of pontics in clinical practice.

II. Write Notes on: **(10 x 5 = 50)**

1. Direct sequale in wearing CD.
2. Indirect retainers in removable partial dentures.
3. Design of a Class I maxillary partial denture with help of a diagram.
4. Fluid control in Fixed Partial Denture.
5. Hanau's law of Balanced Occlusion.
6. Rebasing in Complete Denture.
7. Osseointegration in Implants.
8. Phonetics in Complete Denture.
9. Alloys used in Cast Partial Denture.
10. Maxillofacial materials.

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Time: 180 Minutes

Maximum: 70 Marks

I. Elaborate on: **(2 x 10 = 20)**

1. Define Balanced Occlusion. Write in detail the laws to achieve Balanced Occlusion.
2. Define Surveyor and discuss the parts of surveyor in detail with the help of a diagram.

II. Write Notes on: **(10 x 5 = 50)**

1. Classification of Face bow and mention the parts of a face bow with the help of a diagram.
2. Types of Obturators.
3. Remounting procedures in Complete Dentures.
4. Posterior palatal seal in Complete Denture.
5. Component parts in Removable Partial Denture.
6. Finish lines used in Fixed Partial Denture.
7. Adhesive bridges.
8. Parts of two stage implant system with the help a diagram.
9. Post insertion complaints in Complete Denture.
10. Classification system in Removable Partial Denture.

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Time: 180 Minutes

Maximum: 70 Marks

I. Elaborate on: **(2 x 10 = 20)**

1. Define complete denture impression. Write in detail the principles of impression making. Justify the method you select in complete denture impression.
2. Discuss various components of removable partial denture. Write in detail the direct retainer.

II. Write Notes on: **(10 x 5 = 50)**

1. Semi adjustable articulators.
2. Principles of retention in complete dentures.
3. Parts of a face bow.
4. Methods to register vertical dimensions in complete denture.
5. Parts of a surveyor.
6. Finish line in Fixed Partial Denture.
7. Classify direct retainers.
8. Relining methods in Complete Denture.
9. Two stage implants used in prosthodontics.
10. Abutment evaluation in F.P.D.

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Time: 180 Minutes

Maximum: 70 Marks

I. Elaborate on: **(2 x 10 = 20)**

1. Define face bow. Discuss the types of face bow and how do you transfer a face bow?
2. Define a major connector. Discuss in detail about various types of maxillary major connector with diagram.

II. Write Notes on: **(10 x 5 = 50)**

1. Selective pressure impression.
2. Significance of rest position of mandible.
3. Abutment's in FPD.
4. Objectives of surveying.
5. Stability in complete denture.
6. Metal ceramic crowns.
7. Primary stress bearing areas in mandible for complete denture.
8. Methods of establishing support in distal extension partial denture.
9. Gingival retraction techniques.
10. Implant fixture designs.

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Q.P Code: 544220

Time: 180 Minutes

Maximum: 70 Marks

I. Elaborate on: **(2 x 10 = 20)**

1. Define centric relation. Enumerate and explain the methods of recording Horizontal jaw relation.
2. Impression procedures in Fixed Partial Dentures. Discuss failures in Fixed Partial Dentures.

II. Write Notes on: **(10 x 5 = 50)**

1. Theories of occlusion.
2. Applegates rules.
3. Bar clasp.
4. Selective grinding in Complete Dentures.
5. Provisional restorations in Fixed Partial Denture.
6. Factors affecting Path of insertion in Removable Partial Denture.
7. Swing lock dentures.
8. Principles of teeth arrangement.
9. Surveying tools.
10. Implants in prosthetic dentistry.

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Q.P Code: 544220

Time: 180 Minutes

Maximum: 70 Marks

I. Elaborate on: (2 x 10 = 20)

1. Discuss the importance and methods of recording posterior palatal seal area.
2. Essay on surveyor.

II. Write Notes on: (10 x 5 = 50)

1. Spacer designs in Custom trays in Complete Denture.
2. Altered cast technique.
3. Uses of Retraction cords in Fixed Partial Denture.
4. Clinical protocol to select a patient for implant placement.
5. Compensatory curves.
6. Luting cements.
7. Management of flabby ridges.
8. Kennedy's classification.
9. Minor connectors.
10. Overdentures.

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Q.P Code: 544220

Time: 180 Minutes

Maximum: 70 Marks

I. Elaborate on: **(2 x 10 = 20)**

1. Discuss the different anatomical landmarks in the Maxilla.
2. Classify direct retainers. Describe in detail about different types of occlusally approaching clasps and their indications.

II. Write Notes on: **(10 x 5 = 50)**

1. Die and die systems.
2. Enumerate causes for midline fracture of complete dentures.
3. RPI system.
4. Immediate denture.
5. Gag reflex.
6. Tripoding.
7. Anterior Teeth selection.
8. Survey lines.
9. Maryland Bridges.
10. Tissue conditioners.

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Q.P Code: 544220

Time: 180 Minutes

Maximum: 70 Marks

I. Elaborate on: **(2 x 10 = 20)**

1. Define Occlusion. Discuss the different types of occlusal schemes involved in fabrication of complete denture.
2. Discuss in detail the luting agents used for cementation of fixed dental prosthesis.

II. Write Notes on: **(10 x 5 = 50)**

1. Embrasure clasp
2. Types of Pontics.
3. Gingival Retraction.
4. Bennett's Movement.
5. CAD CAM Ceramics.
6. Indirect Retainers in RPD.
7. Distal extension denture base.
8. Implant abutments.
9. Vertical Jaw Relation.
10. Connectors in RPD.

[LR 675]

NOVEMBER 2020 Sub. Code: 4220
(AUGUST 2020 SESSION)

FOURTH YEAR B.D.S. DEGREE EXAM
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PAPER V – PROSTHODONTICS AND
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Q.P Code: 544220

Time: 180 Minutes

Maximum: 70 Marks

I. Elaborate on: **(2 x 10 = 20)**

1. Define Extracoronaral Direct Retainer. Write in detail the principles of Clasp Design. Discuss the parts and types of different Clasp Designs.
2. Discuss in detail the “Impression making in Fixed Partial Denture”.

II. Write Notes on: **(10 x 5 = 50)**

1. Immediate Dentures.
2. Shade selection.
3. Obturators.
4. Vertical jaw relation.
5. Zirconia Porcelain.
6. Path of Insertion and path of removal in RPD.
7. Lingualized Occlusion.
8. Types of Dental Implants.
9. Gag reflex.
10. Custom made Impression trays.

[BDS 0921]

**SEPTEMBER 2021
(FEBRUARY 2021 SESSION)**

Sub. Code: 4220

FOURTH YEAR B.D.S. DEGREE EXAM

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Final Year Paper V - New Modified Regulation Candidates)**

**PAPER V – PROSTHODONTICS AND
CROWN AND BRIDGE**

Q.P Code: 544220

Time: 180 Minutes

Maximum: 70 Marks

I. Elaborate on: (2 x 10 = 20)

1. Define balanced Occlusion. Write in detail the laws to achieve balance occlusion.
2. Define pontic in fixed partial denture. Discuss the selection of pontics in clinical practice.

II. Write Notes on: (10 x 5 = 50)

1. Swing locks dentures.
2. Combination syndrome.
3. Maxillofacial materials.
4. Impression techniques in FPD.
5. Denture adhesives.
6. Maryland Bridge.
7. Osseointegration in implants.
8. Alloys used in cast partial denture.
9. Facebow and its parts.
10. Obturators in MFP.

THE TAMIL NADU DR. M.G.R. MEDICAL UNIVERSITY

[BDS 1221]

**DECEMBER 2021
(AUGUST 2021 SESSION)**

Sub. Code: 4220

FOURTH YEAR B.D.S. DEGREE EXAM

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**PAPER V – PROSTHODONTICS AND
CROWN AND BRIDGE**

Q.P Code: 544220

Time: 180 Minutes

Maximum: 70 Marks

I. Elaborate on: (2 x 10 = 20)

1. Define Jaw Relation. Write in detail about various methods of recording Vertical Jaw Relation.
2. Discuss the method of preparation to receive all Ceramic Jacket Crowns in Central Incisors.

II. Write Notes on: (10 x 5 = 50)

1. Altered Cast Technique.
2. Implant Biomaterials.
3. Types of Obturators.
4. Provisional Restoration in FPD.
5. FPD Failures.
6. Posterior Palatal Seal Area.
7. Phonetics in Complete Denture.
8. Swing Lock Denture.
9. Combination Syndrome.
10. Over Denture.

THE TAMIL NADU DR. M.G.R. MEDICAL UNIVERSITY

[BDS 0522]

**MAY 2022
(FEBRUARY 2022 SESSION)**

Sub. Code: 4220

**B.D.S. DEGREE EXAM
(Common to Final Year Paper VII Modified Regulation III Candidates and
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FINAL YEAR

**PAPER V – PROSTHODONTICS AND
CROWN AND BRIDGE**

Q.P Code: 544220

Time: 180 Minutes

Maximum: 70 Marks

I. Elaborate on: **(2 x 10 = 20)**

1. Define Major Connector in RPD. Discuss with diagrams the various types of Maxillary Major Connectors.
2. Define Facebow. Discuss the types of Facebow and how do you do a Facebow Transfer.

II. Write Notes on: **(10 x 5 = 50)**

1. Theories of Impression Making.
2. Denture Adhesives.
3. Abutment Selection.
4. FPD Failures.
5. Surveyor and its Parts.
6. Retainers in FPD.
7. Posterior Teeth Selection.
8. Implants used in Dentistry.
9. Surgical Obturators.
10. Die Systems.

THE TAMIL NADU DR. M.G.R. MEDICAL UNIVERSITY

[BDS 1022]

**OCTOBER 2022
(AUGUST 2022 SESSION)**

Sub. Code: 4220

**B.D.S. DEGREE EXAMINATION
(Common to Final Year Paper VII Modified Regulations III Candidates
and Final Year Paper V New Modified Regulation Candidates)**

**FINAL YEAR
PAPER V – PROSTHODONTICS AND CROWN AND BRIDGE
Q.P Code: 544220**

Time: 180 Minutes

Maximum: 70 Marks

I. Elaborate on: (2 x 10 = 20)

1. Define facebow. Discuss the types of facebow. How do you obtain orientation jaw relation record from patient?
2. Define surveyor. Discuss different types of surveyor and uses of it.

II. Write Notes on: (10 x 5 = 50)

1. Obturators.
2. Combination syndrome.
3. Gingival approaching clasps.
4. Tissue conditioners.
5. Pontic designs.
6. Non anatomic teeth.
7. Kennedy's class I design – mandibular arch.
8. Overdentures.
9. Selective pressure impression technique.
10. Lingualized occlusion.

THE TAMIL NADU DR. M.G.R. MEDICAL UNIVERSITY

[BDS 0223]

FEBRUARY 2023

Sub. Code: 4220

**B.D.S. DEGREE EXAMINATION
(Common to Final Year Paper VII Modified Regulation III Candidates
and Final Year Paper V New Modified Regulation Candidates)**

**FINAL YEAR
PAPER V – PROSTHODONTICS AND CROWN AND BRIDGE
*Q.P Code: 544220***

Time: 180 Minutes

Maximum: 70 Marks

I. Elaborate on: (2 x 10 = 20)

1. Define Balanced Occlusion. Factors influencing balanced Occlusion. How to achieve balanced Occlusion in complete denture?
2. Define path of insertion and path of removal in a removable cast partial denture. Discuss the factors affecting the same and the role played by the surveyor.

II. Write Notes on: (10 x 5 = 50)

1. Neutral zone in complete denture.
2. Remounting procedures in complete denture.
3. Methods of registering centric relation in complete denture.
4. Richmond crown.
5. Altered cast technique.
6. Arcon articulators.
7. Gingival fluid control.
8. Kennedy's class I design – maxillary arch.
9. Pontic designs.
10. Root form implants.

THE TAMIL NADU DR. M.G.R. MEDICAL UNIVERSITY

[BDS 0723]

JULY 2023

Sub. Code: 4220

B.D.S. DEGREE EXAMINATION

**(Common to Final Year Paper VII Modified Regulation III Candidates and
Final Year Paper V New Modified Regulation Candidates)**

FINAL YEAR

PAPER V – PROSTHODONTICS AND CROWN AND BRIDGE

Q.P Code: 544220

Time: 180 Minutes

Maximum: 70 Marks

I. Elaborate on:

(2 x 10 = 20)

1. Define Centric Jaw Relation. What are the various methods of recording and explain any one method in detail.
2. What are Provisional Restorations? Discuss in detail about its requirements, materials and methods of Fabrication.

II. Write Notes on:

(10 x 5 = 50)

1. Overdenture.
2. Dentogenic concept.
3. Applegate's rule for Kennedy's classification.
4. Alloys used for cast partial denture.
5. Guiding plane.
6. Altered cast technique.
7. Ante's law and its application.
8. Occlusion in FPD.
9. Osseointegration.
10. Maryland Bridge.

THE TAMIL NADU DR. M.G.R. MEDICAL UNIVERSITY

[BDS 1023]

**OCTOBER 2023
(AUGUST 2023 EXAM SESSION)**

Sub. Code: 4220

**B.D.S. DEGREE EXAMINATION
(Common to Final Year Paper VII Modified Regulation III Candidates
and Final Year Paper V New Modified Regulation Candidates)**

**FINAL YEAR
PAPER V – PROSTHODONTICS AND CROWN AND BRIDGE
Q.P Code: 544220**

Time: 180 Minutes

Maximum: 70 Marks

I. Elaborate on: (2 x 10 = 20)

1. Define Vertical Jaw Relation. Enumerate various methods of recording Vertical Jaw Relation and explain Niswonger's method in detail.
2. Discuss the importance of marginal integrity and write in detail the various finish line geometries in Fixed Dental Prosthesis.

II. Write Notes on: (10 x 5 = 50)

1. Combination Syndrome.
2. Posterior Palatal Seal.
3. Steps in tooth preparation for a maxillary central incisor All-ceramic crown.
4. Occlusal rest.
5. Monoplane Occlusal scheme.
6. Indirect retainer.
7. Prosthetic components for Dental implant.
8. Gingival retraction in Fixed Prosthodontics.
9. Occlusal splints.
10. Minor connectors.

THE TAMIL NADU DR. M.G.R. MEDICAL UNIVERSITY

[BDS 0224]

FEBRUARY 2024

Sub. Code: 4220

B.D.S. DEGREE EXAMINATION

**(Common to Final Year Paper VII Modified Regulation III Candidates
and Final Year Paper V New Modified Regulation Candidates)**

FINAL YEAR

PAPER V – PROSTHODONTICS AND CROWN AND BRIDGE

Q.P Code: 544220

Time: Three Hours

Maximum: 70 Marks

**Answer All Questions in the same order
Draw suitable diagrams wherever necessary**

I. Elaborate on:

(2 x 10 = 20)

1. Classify Retainers in Removable Partial Denture. Discuss in detail about the various types of occlusally approaching clasp with diagram.
2. Define Retention in complete denture prosthesis. Explain in detail the various factors affecting Retention.

II. Write Notes on:

(10 x 5 = 50)

1. Processing Errors in Complete Denture.
2. Mucostatic impression.
3. Non-rigid connectors.
4. Neutral zone.
5. Articulators.
6. Support for distal extension Removable Partial Denture.
7. Structural durability.
8. Implant Biomaterials.
9. Obturators.
10. Pontics in FPD.

THE TAMIL NADU DR. M.G.R. MEDICAL UNIVERSITY

[BDS 0824]

AUGUST 2024

Sub. Code: 4220

B.D.S. DEGREE EXAMINATION

FINAL YEAR

PAPER V – PROSTHODONTICS AND CROWN AND BRIDGE

Q.P Code: 544220

Time: Three Hours

Maximum: 70 Marks

**Answer All Questions in the same order
Draw suitable diagrams wherever necessary**

I. Elaborate on:

(2 x 10 = 20)

1. Enumerate the objectives of impression making in Complete Denture and write in detail about the various theories of impression.
2. Define Major connector. Discuss in detail about the various Mandibular major connectors.

II. Write Notes on:

(10 x 5 = 50)

1. Tissue conditioners.
2. Cantilever FPD.
3. SPA Factor.
4. Functional Cusp Bevel.
5. Survey lines.
6. Crown: Root Ratio for FPD Abutments.
7. Tripoding.
8. Provisional Restorations.
9. Balanced Occlusion.
10. Immediate Denture.

THE TAMIL NADU DR. M.G.R. MEDICAL UNIVERSITY

[BDS 0225]

FEBRUARY 2025

Sub. Code: 4220

B.D.S. DEGREE EXAMINATION

**New Modified Revised Regulation (August 2016 Examination Session onwards)
and New Modified Regulation {Candidates admitted from 2008-2009 onwards}**

FINAL YEAR

PAPER V – PROSTHODONTICS AND CROWN AND BRIDGE

Q.P Code: 544220

Time: Three Hours

Maximum: 70 Marks

**Answer All Questions in the same order
Draw suitable diagrams wherever necessary**

I. Elaborate on:

(2 x 10 = 20)

1. Discuss in detail the Teeth Selection for Completely Edentulous Patients.
2. Rest and Rest Seats. Mouth preparation in Removable Partial Denture after surveying on the cast.

II. Write Notes on:

(10 x 5 = 50)

1. Osseointegration in Implants.
2. Radiographic evaluation in FPD.
3. Immediate Denture.
4. Retention in Complete Denture.
5. Requirements and parts of direct retainer in RPD with diagram.
6. Arcon and Non-arcon types of articulators.
7. Significance of Physiologic rest position.
8. Balanced Occlusion.
9. Maxillary defects and its management.
10. Pier abutments.

THE TAMIL NADU Dr. M.G.R. MEDICAL UNIVERSITY

[BDS 0825]

AUGUST 2025

Sub. Code: 4220

B.D.S. DEGREE EXAMINATION

**New Modified Revised Regulation (August 2016 Examination Session onwards)
and New Modified Regulation {Candidates admitted from 2008-2009 onwards}**

FINAL YEAR

PAPER V – PROSTHODONTICS AND CROWN AND BRIDGE

Q.P Code: 544220

Time: Three Hours

Maximum: 70 Marks

**Answer All Questions in the same order
Draw suitable diagrams wherever necessary**

I. Elaborate on:

(2 x 10 = 20)

1. Define Pontic. Explain in detail about requirements, types and various materials used in fabrication of Pontic.
2. Explain in detail about the various principles and objectives of making impression.

II. Write Notes on:

(10 x 5 = 50)

1. Stress breakers in RPD.
2. Obturators.
3. Zirconia.
4. Immediate denture.
5. Occlusal rest.
6. Bar clasp.
7. Preprosthetic surgery.
8. Combination syndrome.
9. Laminate veneers.
10. Gingival retraction cord.

THE TAMIL NADU Dr. M.G.R. MEDICAL UNIVERSITY

[BDS 0226]

FEBRUARY 2026

Sub. Code: 4220

B.D.S. DEGREE EXAMINATION

**{New Modified Revised Regulation (August 2016 Examination Session onwards)
And New Modified Regulation (Candidates admitted from 2008-2009 onwards)}
(For the candidates admitted during the academic year 2021-2022)**

FINAL YEAR

PAPER V – PROSTHODONTICS AND CROWN AND BRIDGE

Q.P Code: 544220

Time: Three Hours

Maximum: 70 Marks

**Answer All Questions in the same order
Draw suitable diagrams wherever necessary**

I. Elaborate on: **(2 x 10 = 20)**

1. Explain in detail about the procedure of Teeth Selection for Complete Denture.
2. Define Dental Surveying. Explain in detail about the types, component parts, tools and uses of Surveyor.

II. Write Notes on: **(10 x 5 = 50)**

1. Face bow.
2. Die materials.
3. Functional cusp bevel.
4. Gingival retraction.
5. Provisional crowns.
6. Combination clasp.
7. Indirect retainer.
8. Cuspal inclination.
9. RPI system.
10. Zirconia.
