**[LJ 672]** AUGUST 2016 **Sub. Code: 4221**

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

**PAPER VI – CONSERVATIVE DENTISTRY AND ENDODONTICS**

***Q.P Code*: *544221***

**Time: 180 Minutes** **Maximum: 70 Marks**

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

1. Discuss various types of direct filling gold, manipulation, instruments and techniques used for condensation of gold.

2. Write in detail on non vital bleaching with a note on the various bleaching agents and its mechanism.

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

1. Die materials.
2. Retentive features in Amalgam cavity preparation.
3. Retrograde filling materials.
4. Fillers in composites.
5. Obturation core materials.
6. Root resorption.
7. Standardization of root canal instruments.
8. Tarnish and corrosion.
9. Caries detection methods.
10. Uses of calcium hydroxide.

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**[LK 672]** FEBRUARY 2017 **Sub. Code: 4221**

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

**PAPER VI – CONSERVATIVE DENTISTRY AND ENDODONTICS**

***Q.P Code*: *544221***

**Time: 180 Minutes** **Maximum: 70 Marks**

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

1. Discuss in detail various concepts of minimal invasive dentistry in conservative dentistry.

2. What are the indications and contraindications for periapical surgery? Discuss various designs in periapical flaps.

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

1. Wedges.
2. Reverse curve.
3. Retentive features in inlay.
4. Suck back porosity.
5. Creep.
6. Mercuroscopic expansion.
7. Walking bleach.
8. Endometrics.
9. Biological width.
10. Metal modified GIC.

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**[LL 672]** AUGUST 2017 **Sub. Code: 4221**

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

**PAPER VI – CONSERVATIVE DENTISTRY AND ENDODONTICS**

***Q.P Code*: *544221***

**Time: 180 Minutes** **Maximum: 70 Marks**

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

1. Classify restorative resins. Discuss in detail about the acid etching patterns and adhesive mechanisms of light cured composite resin restorations.

2. Give the indications for Endodontic surgeries. Enumerate on flap designs for apical surgeries with a brief note on retrograde preparation and retrograde filling material.

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

1. Finishing and Polishing Agents.
2. Hybrid layer.
3. Resin modified glass ionomer cements.
4. Sectional matrices.
5. Pre and Post Carve Burnishing.
6. Reversible pulpitis.
7. Distal object rule.
8. Apexification.
9. External root resorption.
10. Uses of sodium hypochlorite.

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**[LM 672]** FEBRUARY 2018 **Sub. Code: 4221**

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

**PAPER VI – CONSERVATIVE DENTISTRY AND ENDODONTICS**

***Q.P Code*: *544221***

**Time: 180 Minutes** **Maximum: 70 Marks**

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

1. Significance of contacts and contours in conservative dentistry. Write a note on matrices and wedges.

2. Mention various methods in working length determination. Write in detail Ingles radiographic method in working length determination.

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

1. Veneers.
2. Mercury toxicity.
3. Modifications of glass ionomer cement.
4. Instrument formula.
5. Localised shrinkage porosity.
6. Design of dental bur.
7. Management of dentine hypersensitivity.
8. Mineral trioxide aggregate.
9. Non vital bleaching.
10. Root canal irrigants.

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**[LN 672]** AUGUST 2018 **Sub. Code: 4221**

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

**PAPER VI – CONSERVATIVE DENTISTRY AND ENDODONTICS**

***Q.P Code*: *544221***

**Time: 180 Minutes** **Maximum: 70 Marks**

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

1. The non – carious defects in teeth and its management.
2. Ellis classification of traumatic injuries. Write about the different storage mediums and the management of avulsed tooth.

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

1. Gingival marginal trimmer.
2. Wedges and types of wedging.
3. Mercury toxicity and Mercury hygiene recommendations.
4. Dentin bonding agents.
5. Primary resistance form.
6. Rubber dam clamp.
7. Core materials for obturation.
8. Standardization of endodontic instruments.
9. Phoenix Abscess.
10. Sodium Hypochlorite.

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**[LO 672]** **FEBRUARY 2019** **Sub. Code: 4221**

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

**PAPER VI – CONSERVATIVE DENTISTRY AND ENDODONTICS**

***Q.P Code*: *544221***

**Time: 180 Minutes** **Maximum: 70 Marks**

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

1. Classify pins used in pin retained amalgam restorations. Write in detail about the self threaded pins.

2. Define bleaching. Enumerate the materials used and the various techniques of bleaching. Describe about walking bleach.

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

1. Flap designs in periapical surgery.
2. Degassing.
3. Suck back porosity.
4. Delayed expansion.
5. Initial steps in cavity preparation.
6. Irreversible pulpitis.
7. Thermoplasticized gutta percha.
8. Calcium Hydroxide.
9. Step back technique.
10. Anaesthetic Techniques in Endodontics.

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**[LP 672]** AUGUST 2019 **Sub. Code: 4221**

**FOURTH YEAR B.D.S. DEGREE EXAM**
**(Common to Final Year Paper IV-Modified Regulation III Candidates and Final Year Paper VI – New Modified Regulation Candidates)**

**PAPER VI– CONSERVATIVE DENTISTRY AND ENDODONTICS**

***Q.P Code*: *544221***

**Time: 180 Minutes** **Maximum: 70 Marks**

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

1. Define inlay. Write the indications and contraindications for inlay. Write in detail about the differences in cavity preparation for class II inlay and class II amalgam.

2. Classify diseases of periapical tissues. Write in detail the step by step procedure for root canal therapy in permanent right upper central incisor tooth. Add a note on post endodontic restoration.

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

1. Apex locators.
2. Intra canal medicaments.
3. Reverse curve.
4. Apexification.
5. Hemisection.
6. Instrument formula for operative hand instruments.
7. Sandwich technique.
8. Direct filling gold.
9. Infected and affected dentin.
10. Modifications of GIC.

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**[LQ 672]** FEBRUARY 2020 **Sub. Code: 4221**

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

**PAPER VI – CONSERVATIVE DENTISTRY AND ENDODONTICS**

***Q.P. Code*: *544221***

**Time: 180 Minutes** **Maximum: 70 Marks**

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

1. Classify dental amalgam. Write in detail the step by step procedure for a class II cavity preparation (mesioocclusal), base application, wedging, filling, finishing and polishing in 36 for amalgam.

2. Classify traumatic injuries to teeth. Write in detail about treatment options for avulsed tooth. Add a note on storage media for avulsed teeth.

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

1. Internal resorption.
2. Rubber dam Kit.
3. At Home Bleaching.
4. Bur Head Design.
5. Standardization of Endodontic Instruments.
6. Electric pulp testing.
7. Indirect pulp capping.
8. Retrograde filling materials.
9. Abfraction lesions.
10. Radio visiography.

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**[LR 672]** NOVEMBER 2020 **Sub. Code: 4221**

(AUGUST 2020 SESSION)

**FOURTH YEAR B.D.S. DEGREE EXAM**

**(Common to Final Year Paper IV - Modified Regulation III Candidates and Final Year Paper VI - New Modified Regulation Candidates)**

**PAPER VI – CONSERVATIVE DENTISTRY AND ENDODONTICS**

***Q.P. Code*: *544221***

**Time: 180 Minutes** **Maximum: 70 Marks**

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

1. Classify Dental Composites. Write in detail the step by step procedure for restoration of a Class IV cavity in the right upper central Incisor tooth with composite Resin. Add a note on Hybrid composites.

2. Classify materials used for Obturation of the Canal space. Write in detail the various Techniques of Obturation of the Root Canal space.

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

1. Intra – Canal Medicaments.
2. Delayed Expansion.
3. Flap design for Endodontic Surgery.
4. Sandwich Technique.
5. Rubber Dam Kit.
6. Atraumatic Restorative Technique.
7. Retrograde Filling Materials.
8. Wedging Techniques.
9. Apexification.
10. Bleaching Techniques.

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**[BDS 0921]** SEPTEMBER 2021 **Sub. Code: 4221**

(FEBRUARY 2021 SESSION)

**FOURTH YEAR B.D.S. DEGREE EXAM**

**(Common to Final Year Paper IV - Modified Regulation III Candidates and Final Year Paper VI - New Modified Regulation Candidates)**

**PAPER VI – CONSERVATIVE DENTISTRY AND ENDODONTICS**

***Q.P. Code*: *544221***

**Time: 180 Minutes** **Maximum: 70 Marks**

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

1. Enumerate the Steps in Cavity Preparation. Discuss in detail about Mesio Occlusal Cavity Preparation Of (16) Maxillary Right First Molar.

2. Give the Objectives of Cleaning and Shaping the Root Canal Systems in Endodontics. Write about the Various Techniques used for this Purpose.

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

1. Calcium Hydroxide Cement.
2. Indications and Contra Indication for Cast Restorations.
3. Pressable Ceramics.
4. At Home Bleaching.
5. Failures of Amalgam.
6. Intracanal Medicaments.
7. Magnification in Endodontics.
8. Classification of Traumatic Injuries.
9. Radio Visiography.
10. Internal Resorption.

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

**[BDS 1221] DECEMBER 2021 Sub. Code: 4221**
**(AUGUST 2021 SESSION)**

**FOURTH YEAR B.D.S. DEGREE EXAM**

**(Common to Final Year Paper IV - Modified Regulation III Candidates and Final Year Paper VI - New Modified Regulation Candidates)**

**PAPER VI – CONSERVATIVE DENTISTRY AND ENDODONTICS**

***Q.P. Code*: *544221***

**Time: 180 Minutes** **Maximum: 70 Marks**

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

1. Enumerate different Pulp vitality tests and describe in detail about Electric Pulp testing. Add a note on Test cavity.

2. Classification, Etiology and management of Noncarious lesions.

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

1. Dental operating microscope.
2. Root canal irrigants.
3. Atraumatic restorative treatment.
4. Smear layer in Restorative Dentistry and Endodontics.
5. Apical 1/3rd and its significance in Endodontics.
6. Rationale of endodontic treatment.
7. Objectives of access cavity preparation and Dentinal map.
8. Finishing and polishing agents.
9. Wedges and techniques of wedging.
10. Bevels in Tooth preparation.

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

**[BDS 0522]** **MAY 2022** **Sub. Code: 4221**
**(FEBRUARY 2022 SESSION)**

**B.D.S. DEGREE EXAM**
**(Common to Final Year Paper IV Modified Regulation III Candidates and Final Year Paper VI New Modified Regulation Candidates)**

**FINAL YEAR**

**PAPER VI – CONSERVATIVE DENTISTRY AND ENDODONTICS**

***Q.P. Code*: *544221***

**Time: 180 Minutes** **Maximum: 70 Marks**

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

1. Classify Stains. Write in Detail the Various Treatment Options for Discoloured Teeth. Add a note on Mcinne's Microabrasion.

2. Classify Dental Composites. Write the Indications and Contraindications for Composite Restorations. Describe the Cavity Designs for a Composite Restorations. Draw Diagrams.

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

1. Standardization of Endodontic Hand Instruments.
2. Retrograde Filling Materials.
3. Ideal Requirements of Root Canal Sealers.
4. Minor and Major Diameter.
5. Endodontic Biofilm.
6. Gingival Marginal Trimmer.
7. High Copper Amalgam.
8. Dentin Hypersensitivity.
9. Matrices
10. Dental Burs.

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

**[BDS 1022]** **OCTOBER 2022** **Sub. Code: 4221**
**(AUGUST 2022 SESSION)**

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

**FINAL YEAR**
**PAPER VI – CONSERVATIVE DENTISTRY AND ENDODONTICS**
***Q.P. Code*: *544221***

**Time: 180 Minutes** **Maximum: 70 Marks**

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

1. Enumerate different Techniques of Cleaning and Shaping of Root Canal. Describe in detail about Step Back Technique.

2. Define Dentin Hypersensitivity. Discuss Aetiology, Mechanisms and management of Dentin Hypersensitivity.

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

1. Define Inlay and Tooth preparation for Inlay.
2. Dentin Bonding Agents.
3. Light Curing Lamps for Composites.
4. Rotary Endodontics – Advantages and disadvantages.
5. Personal Protective Equipments (PPE) in Restorative Dentistry and Aerosal Prevention.
6. Polymerization shrinkage in Composites.
7. Irrigants in Endodontics.
8. Gutta-Percha Chemistry, Composition, types and uses.
9. Walking Bleach.
10. Post Endodontic Restorations and its Significance.

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

**[BDS 0223]** **FEBRUARY 2023** **Sub. Code: 4221**

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

**FINAL YEAR**
**PAPER VI – CONSERVATIVE DENTISTRY AND ENDODONTICS**
***Q.P. Code*: *544221***

**Time: 180 Minutes** **Maximum: 70 Marks**

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

1. Isolation of the Operating field in Operative Dentistry – Enumerate various aids on achieving it and discuss in detail about Rubber dam.

2. Define Obturation. Mention about various Techniques for Obturation. Write in detail about Lateral condensation.

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

1. Minimally Invasive dentistry.
2. Mercury hygiene.
3. Acid etching technique.
4. Storage media for avulsed Tooth.
5. Factors influencing healing after endodontic treatment.
6. Ideal requirement of root canal filling materials and core materials for Obturation.
7. Access cavity preparation for Upper Central Incisor.
8. Hybrid layer.
9. Critical Ph and Remineralising agents.
10. Endo-Perio lesions, classification and management.

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

**[BDS 0723]** **JULY 2023** **Sub. Code: 4221**

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

**FINAL YEAR**

**PAPER VI – CONSERVATIVE DENTISTRY AND ENDODONTICS**

***Q.P. Code*: *544221***

**Time: 180 Minutes** **Maximum: 70 Marks**

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

1. Write in detail about Dentin Bonding Agents.
2. Endo-Perio Lesions and its management.

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

1. Intracanal Medicaments.
2. Working Length Determination.
3. High Copper Silver Amalgam.
4. Inlay waxes.
5. Classify Operative hand instruments.
6. Abbration and its management.
7. Sodium Hypochlorite.
8. Demineralisation – Remineralisation Cycle.
9. Home bleaching.
10. Microsurgery.

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

**[BDS 1023] OCTOBER 2023 Sub. Code: 4221**
**(AUGUST 2023 EXAM SESSION)**

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

**FINAL YEAR**
**PAPER VI – CONSERVATIVE DENTISTRY AND ENDODONTICS**
***Q.P. Code*: *544221***

**Time: 180 Minutes** **Maximum: 70 Marks**

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

1. Enumerate the non-carious defects in teeth and their management.

2. Classify dental traumatic injuries. Describe the management of avulsed tooth. Write a note about the different transport mediums for avulsed tooth.

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

1. Configuration factor (‘C” factor).
2. Mercury hygiene in dental operatory.
3. Cavity liners.
4. Dental wedges.
5. Theories in dentinal hypersensitivity.
6. Mineral Trioxide Aggregate.
7. Electronic apex location.
8. Apexogenesis.
9. Rolled cone technique in root canal obturation.
10. Types of flaps in endodontic surgeries.

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