

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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PAPER VI – CONSERVATIVE DENTISTRY AND ENDODONTICS

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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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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.

[LM 672]

FEBRUARY 2018

Sub. Code: 4221

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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.

[LN 672]

AUGUST 2018

Sub. Code: 4221

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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.

[LO 672]

FEBRUARY 2019

Sub. Code: 4221

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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.

[LP 672]

AUGUST 2019

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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.

[LQ 672]

FEBRUARY 2020

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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.

[LR 672]

NOVEMBER 2020
(AUGUST 2020 SESSION)

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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.
