AUGUST 2012            Sub. Code: 4184
FOURTH YEAR B.D.S. DEGREE EXAM
PAPER – VI CONSERVATIVE DENTISTRY & ENDODONTICS
Q.P.Code: 544184

Time : 180 Minutes                            Maximum : 100 marks
Answer ALL questions in the same order.

I. Elaborate on:                               Pages Time Marks
(Max.)(Max.)(Max.)

1. Ellis classification of traumatic Injuries. Write in detail about storage medium and management of avulsed tooth. 19 30 20

2. Classification, etiology and management non-carious lesion and disfiguration of teeth. 19 30 20

II. Write notes on:

1. Gingival marginal trimmer. 3 10 5
2. High copper amalgam. 3 10 5
3. Endodontic microbiology. 3 10 5
4. Mineral trioxide aggregate. 3 10 5
5. Rubber dam. 3 10 5
6. Dental mercury hygiene recommendation. 3 10 5
7. Internal resorption. 3 10 5
8. Wedges and types of wedging. 3 10 5
9. Dentin bonding agents. 3 10 5
10. Glass ionomer cement. 3 10 5
11. Dental operating microscopes. 3 10 5
12. Factor Influencing healing after endodontic treatment. 3 10 5

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I. Elaborate on: (2x10=20)


2. Describe in detail, the classification and various treatment options of Discoloured anterior teeth.

II. Write notes on: (10x5=50)

1. Core materials for obturation.
2. Apex Locators.
3. Sodium Hypochlorite.
5. Gingival Retraction Cord.
6. Casting shrinkage of cast gold alloys & its compensations.
7. Differences between Class II Amalgam & Inlay cavity preparations.
8. Standardization of Endodontic Instruments.

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I. Elaborate on: 

1. Define obturation, discuss about time of obturation and lateral condensation technique.

2. Classify traumatic injuries and discuss in detail about complicated crown/root fractures with pulp exposure.

II. Write notes on:  

1. Smear layer.
2. Glassionomer cements.
3. Sterilization of instruments.
4. High gold alloys.
6. Pin Retained Amalgam.
7. Standardization of hand instruments.
8. Castable ceramics.
10. Instrument grasps.

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I. Elaborate on: (2x10=20)

1. Classify Pins used in Pin retained amalgam restorations. Write in detail about Self threaded pins.

2. Enumerate different techniques of cleaning and shaping of the root canal using hand instruments. Describe step back technique in detail.

II. Write Notes on: (10x5=50)

1. Management of Tooth Avulsion
2. Mineral trioxide aggregate
3. Direct pulp capping
4. Wedges and wedging techniques
5. Internal Resorption
6. Biocompatibility of Glass Ionomer Cements
7. Walking Bleach
8. Sodium Hypochlorite
9. Hemisection of teeth
10. Microfilled Composites
I. Elaborate on: (2X10=20)

1. Define bleaching. Enumerate the materials used and various techniques of bleaching. Describe in detail night guard bleaching technique.

2. Define obturation. Enumerate the materials used and various techniques of obturation. Describe in detail warm vertical condensation technique.

II. Write Notes on: (10X5=50)

1. Demineralization-Remineralization cycle
2. Instrument formula for hand cutting instruments
3. Hybrid layer
4. Wedging techniques
5. Compare and contrast tooth preparation for silver amalgam versus composite restoration
6. Phoenix abscess
7. Resin based endodontic sealers
8. Standardization of a K-file endodontic instrument
9. Apexification
10. Root end filling materials

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

1. Define dentin hypersensitivity. Discuss the cause, mechanism and management of dentin hypersensitivity.

2. Define working length in endodontics. Enumerate the methods to determine working length. Discuss in detail Apex locators.

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

1. Design of a dental bur.
2. Smear layer.
3. Matricing for direct tooth colored restorations.
4. Home bleaching techniques.
5. Trituration.
6. Pulpitis.
7. Gutta percha chemistry, composition and uses.
8. Pulpotomy.
10. Avulsed tooth and its management.

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

1. Discuss in detail about classification II mesio occlusal in lay cavity preparation for lower right first molar. Add a note on cast metal restorations giving their indications, advantages and disadvantages.

2. Write about classification of endodontic instruments. Enumerate methods of working length determination with a brief note on apex locations.

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

1. Tarnish and corrosion.

2. Castable ceramics.

3. Mat Gold.

4. Direct Vaniers.

5. Types and uses of Wedges.

6. Chlorhexidine uses.

7. Replacement Resorption.

8. Mishaps in cleaning and shaping.


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


2. Ellis classification of traumatic injuries. Write in detail about storage medium and management of avulsed tooth.

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

1. Irrigants in endodontics.

2. Rubber dam.

3. Dental operating microscope.

4. High copper silver amalgam.

5. Glass ionomer cement.

6. Prefabricated post system.

7. Endodontic microbiology.


10. Gutta percha.

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