

MANIPAL UNIVERSITY

FINAL BDS PART – II DEGREE EXAMINATION – DECEMBER 2015

SUBJECT: CONSERVATIVE DENTISTRY INCLUDING ENDODONTICS (ESSAY) (OLD REGULATION)

Saturday, December 19, 2015

Time: 14:30 – 17:00 Hrs.

Maximum Marks: 80

✍ Answer ALL the questions precisely.

✍ Draw diagrams and flow charts wherever required.

1. Discuss hydrodynamic theory. Explain the etiology, clinical features and management of dentin hypersensitivity.

(3+2+2+3 = 10 marks)

2. Write a note on:

2A. Enumerate the various advances in caries diagnosis. Add a note on Diagnodent.

2B. Composition and uses of Mineral trioxide aggregate (MTA).

2C. Discuss the mechanism of action and uses of calcium hydroxide in Endodontics.

2D. Standardization of endodontic hand instruments.

2E. Obtura.

2F. Instrument separation during root canal preparation.

2G. Explain various forms of primary resistance and retention features for Class II amalgam cavity.

2H. Etiology and management of cervical abrasion.

2I. Management of avulsed tooth.

2J. Discuss false negative and false positive results of electric pulp testing.

(5 marks × 10 = 50 marks)

3. Write a short note on:

3A. Fish's zones

3B. Peeso reamers

3C. Enameloplasty

3D. Suck back porosity

3E. Clinical features of irreversible pulpitis

3F. Culture reversal

3G. Affected dentin

3H. H-File

3I. Etiology of internal resorption

3J. Apical delta

(2 marks × 10 = 20 marks)



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SUBJECT: CONSERVATIVE DENTISTRY AND ENDODONTICS (ESSAY)
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Saturday, December 19, 2015

Time: 14:15 – 17:00 Hrs.

Maximum Marks: 60

- ✍ **Answer ALL the questions precisely.**
- ✍ **Draw diagrams and flow charts wherever required.**

1. Classify tooth discoloration. What are the causes for the same? Write about vital bleaching.
2. Mention the indications for periapical surgery. Describe the procedure for an apicoectomy on a upper right permanent central incisor.

(10 marks × 2 = 20 marks)

3. **Write short notes on:**

- 3A. Describe the instrument formula for operative hand instruments.
- 3B. What are the effects of acid etching on the tooth structure.
- 3C. Describe the rationale for endodontic treatment.
- 3D. Classify matrices. Write about the parts of a tofflemire retainer.
- 3E. Write on mercury toxicity.
- 3F. Classify endodontic instruments. Write a note on H-files.
- 3G. Enumerate root canal irrigants. What are the functions of the irrigants during endodontic treatment?
- 3H. Classify endodontic emergencies. Define Phoenix abscess.
- 3I. Enumerate the different radiographic techniques that are used in endodontics. What is a RVG?
- 3J. Enumerate the different uses of calcium hydroxide. How does it perform as a pulp capping agent?

(4 marks × 10 = 40 marks)

