

Reg. No.

MANIPAL ACADEMY OF HIGHER EDUCATION
FINAL BDS PART – II DEGREE EXAMINATION – DECEMBER 2021
SUBJECT: CONSERVATIVE DENTISTRY AND ENDODONTICS (ESSAY)
(REGULAR)

Friday, December 17, 2021

Time: 14:15 – 17:00 Hrs.

Maximum Marks: 60

✍ Answer ALL the questions precisely.

✍ Draw diagrams and flow charts wherever required.

1. Enumerate the various methods to determine working length in endodontics. Describe Ingle's radiographic method of working length determination. Add a note on Weine's modification of length subtraction.
2. Mention indications and contra-indications for pulp capping. Describe the technique for direct pulp capping. Add a note on the advantage and disadvantage of using Mineral Trioxide Aggregate (MTA) as a pulp capping agent.

(10 marks × 2 = 20 marks)

3. **Write Short Answers:**

- 3A. Discuss the advantages and disadvantages of rubber dam isolation.
- 3B. Describe the clinical methods to reduce polymerization stresses with respect to direct composite restorations.
- 3C. Explain the indications and contra-indications for periradicular surgery.
- 3D. List the differences between Class 2 amalgam and inlay tooth preparation.
- 3E. Define smear layer. Discuss its role in adhesive dentistry.
- 3F. Discuss on the etiology and management of dental erosion.
- 3G. Describe the "walking bleach" technique.
- 3H. Describe cold lateral root canal obturation technique and its modifications.
- 3I. List the procedural errors related to access opening of pulp space. Enumerate the various methods in locating additional canals.
- 3J. Classify Lasers used in dentistry and add a note on its application in restorative dentistry.

(4 marks × 10 = 40 marks)

