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MANIPAL ACADEMY OF HIGHER EDUCATION

MDS PART - I (CONSERVATIVE DENTISTRY AND ENDODONTICS) DEGREE EXAMINATION – SEPTEMBER 2024
PAPER I – APPLIED BASIC SCIENCES

Monday, September 09, 2024

Time: 14:00 – 17:00 Hrs.

Max. Marks: 100

✍ Answer ALL the questions.

✍ Illustrate your answers with diagrams, flow chart wherever appropriate.

1. Classify hypersensitivity reactions and write in detail about anaphylaxis. (6+4 = 10 marks)
2. Discuss fluoride releasing materials in operative dentistry. (10 marks)
3. Discuss in detail about various tests used for microleakage used in operative dentistry. (10 marks)
4. Discuss the newer methods in identification and isolation of microorganisms from infected root canal. (10 marks)
5. Write briefly on pulpal innervation and add a note on recent advances in local anesthesia. (5+5 = 10 marks)
6. Discuss Non Parametric tests used in Biostatistics. Add a note on Kruskal Wallis one way analysis. (6+4 = 10 marks)
7. Define Dental caries. Add a note reaction of pulp to dental caries. (2+8 = 10 marks)
8. Anatomy and clinical significance of mandibular nerve in endodontics. (10 marks)
9. Wound healing. Discuss on periapical healing. (6+4 = 10 marks)
10. Calcium and phosphate metabolism and its effects on development of tooth. (5+5 = 10 marks)

