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MANIPAL ACADEMY OF HIGHER EDUCATION

MDS PART - I (CONSERVATIVE DENTISTRY AND ENDODONTICS) DEGREE EXAMINATION – JUNE 2021
SUBJECT: PAPER I – APPLIED BASIC SCIENCES

Monday, June 07, 2021

Time: 10:00 – 13:00 Hrs.

Max. Marks: 100

✍ Answer ALL the questions.

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

1. Discuss the movements of the mandible. Note on significance of occlusion in restorative dentistry. (7+3 = 10 marks)
2. Discuss the anatomy of the first mandibular molar and variations. (10 marks)
3. Clinical consideration during dental treatment for patients with blood dyscrasias. (10 marks)
4. Discuss microbial biofilms in root canals. Short note on *Enterococcus faecalis*. (8+2 = 10 marks)
5. NSAIDS for management of dental pain. (10 marks)
6. Pulpal reaction to cavity preparation. (10 marks)
7. Sterilization of endodontic instruments. Note on single use instruments. (8+2 = 10 marks)
8. Discuss self-etch dentin bonding agents. (10 marks)
9. Histopathology of periapical cysts. (10 marks)
10. Discuss randomized controlled trials in clinical research. (10 marks)

