

Reg. No.

MANIPAL ACADEMY OF HIGHER EDUCATION
MDS PART - I (CONSERVATIVE DENTISTRY AND ENDODONTICS)
DEGREE EXAMINATION – JULY 2020

SUBJECT: PAPER I – APPLIED BASIC SCIENCES

Friday, July 03, 2020

Time: 14:00 – 17:00 Hrs.

Max. Marks: 100

✍ **Answer ALL the questions.**

✍ **Illustrate your answers with diagrams, flow charts wherever appropriate.**

1. Anatomy and clinical significance of mandibular nerve in endodontics
(4+6 = 10 marks)
2. Write briefly on pulpal innervation and add a note on pulp stones
(6+4 = 10 marks)
3. Calcium and phosphate metabolism and its effects on development of tooth
(5+5 = 10 marks)
4. Classify hypersensitivity reactions and write in detail about anaphylaxis
(4+6 = 10 marks)
5. Healing of periapical lesions
(10 marks)
6. Write in detail about the role of candida albicans in endodontic infections
(10 marks)
7. Classify corticosteroids. Write in detail about prednisolone
(4+6 = 10 marks)
8. Discuss in detail the use of bupivacaine in endodontics
(10 marks)
9. Discuss in detail about various tests used for microleakage used in operative dentistry
(10 marks)
10. Discuss smart materials
(10 marks)

