

MANIPAL ACADEMY OF HIGHER EDUCATION
MDS PART - I (PERIODONTOLOGY) DEGREE EXAMINATION – AUGUST 2025
SUBJECT: PAPER I – APPLIED BASIC SCIENCES

Friday, August 01, 2025

Time: 14:00 – 17:00 Hrs.

Max. Marks: 100

✍ **Answer ALL questions.**

✍ **Draw diagrams and flowcharts wherever necessary.**

1. Describe the muscles of mastication.
2. Describe the coagulation cascade and various coagulation disorders.
3. Discuss the adverse effects of cyclooxygenase inhibitors.
4. Discuss the laboratory diagnosis and medical management of diabetes mellitus.
5. Discuss the role of Tetracyclines in the management of periodontal infections.
6. Classify and describe the mechanism of action of local anesthetics.
7. Describe the composition and functions of saliva.
8. Describe the animal models used in periodontal research.
9. Describe in detail the course, anatomic relationships and innervations of the facial nerve.
10. Describe the role of Vitamin C in Periodontal health and disease.

(10 marks × 10 = 100 marks)

