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MANIPAL ACADEMY OF HIGHER EDUCATION

MDS PART - I (PUBLIC HEALTH DENTISTRY) 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 the questions.

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

1. Evolution of microorganisms in oral cavity.
2. Physiology of Deglutition.
3. Role of Vitamin C in health and disease.
4. Pain Pathways and their importance.
5. Mode of action of Local Anesthetics.
6. Histopathology, microbiology and pathogenesis of root caries.
7. Validity and reliability Tests used in developing instruments for Questionnaire.
8. Calcium metabolism and its importance in Oral Health.
9. Neurogenic Shock.
10. Evidence based research hierarchy in Public health dentistry.

(10 marks × 10 = 100 marks)

