

QP Code: 131227

Reg. No.....

**MDS Part I Degree Regular/Supplementary Examinations
November 2025
Periodontology**

**Paper I - Applied Basic Sciences: Applied Anatomy, Physiology, Biochemistry,
Pathology, Microbiology, Pharmacology, Research Methodology and
Biostatistics**

(2021 Scheme)

Time: 3 Hrs

Max marks: 100

- *Answer all questions to the point neatly and legibly • Do not leave any blank pages between answers • Indicate the question number correctly for the answer in the margin space*
- *Answer all parts of a single question together • Leave sufficient space between answers*
- *Draw Diagrams wherever necessary.*

Essays

(10x10=100)

1. Role of neutrophils in periodontal inflammation
2. Discuss the role of Vitamin C in wound healing and regeneration
3. Nerve supply of the periodontium
4. Methods of randomization in dental research
5. List the steps in the management of a patient with syncope in a dental clinic
6. Discuss the rationale and types of blood investigations required before periodontal surgery in a controlled diabetic patient
7. Methods of sterilization in dental clinics
8. Methods, rationale, and importance of Informed consent during research and clinical practice
9. List and discuss different types of cell junctions and their functions
10. Serial and combination antibiotic therapy
