

QP Code: 131227

Reg. No.....

**MDS Part I Degree Supplementary Examinations July 2023**

**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. Alveolar bone remodeling.
2. Reactive oxygen species. Add a note on anti-oxidants in periodontal disease and therapy.
3. Methods of microbial identification. Add a note on culture media and methods.
4. Write a note on cranial nerves. Add a note on applied anatomy of 5<sup>th</sup> and 7<sup>th</sup> cranial nerve.
5. What is evidence-based research. Add a note on levels of evidence.
6. Development of periodontium.
7. Role of platelets in inflammation. Explain coagulation cascade.
8. Enumerate various routes of drug administration.
9. Pathways of pain.
10. Apoptosis and necrosis.

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