

**QP Code: 131229**

**Reg. No.....**

**MDS Part I Degree Regular/Supplementary Examinations  
January 2025**

**Conservative Dentistry and Endodontics**

**Paper- I- Applied Basic Sciences: Applied Anatomy, Physiology, Pathology  
Including Oral Microbiology, Pharmacology, Biostatistics and Research  
Methodology and Applied Dental Materials**

**(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. Composition function and clinical significance of saliva.
2. Local anaesthetic agents, chemistry and various techniques of maxillary and mandibular anaesthesia.
3. Write in detail about mercury hygiene in dental office.
4. Culture medium and culturing techniques (aerobic and anaerobic).
5. Anatomy of root apex and its clinical significance.
6. Fundamental concepts of adhesion.
7. Explain in detail various tests of significance.
8. Developmental anomalies of hard tissues of teeth.
9. Mechanism of wound healing.
10. Muscles of mastication.

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