

QP Code: 131233

Reg. No.....

**MDS Part I Degree Regular/Supplementary Examinations**  
**January 2025**  
**Oral Medicine and Radiology**

**Paper 1- Applied Basic Sciences: Applied Anatomy, Physiology, and 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. Describe in detail the development of face
2. Anatomy of Trigeminal nerve
3. Write in detail about cardiac cycle
4. Discuss in detail about inflammatory pathways. Add a note on various inflammatory mediators
5. Discuss in detail about calcium homeostasis
6. Write in detail about various observational study designs in research methodology
7. Write in detail about metastasis of neoplasm
8. Lymphatic drainage of Head & Neck
9. Write in detail about skeletal muscle relaxants
10. Write in detail about transcription and translation in nucleic acids

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