

QP Code: 111231

Reg. No.....

**MDS Part I Degree Supplementary Examinations January 2021**

**Oral and Maxillofacial Pathology and Oral Microbiology**

**Paper I – Applied Basic Sciences in Oral and Maxillofacial  
Pathology and Oral Microbiology**

**(2018 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. Elucidate the role of neural crest cells in cranio-facial patterning. Describe the development of the face.
2. Write briefly on jaw reflexes in mastication.
3. Ultra-structure of the basal lamina complex.
4. Describe remodeling of bone in response to orthodontic tooth movement.
5. Discuss pain mediators.
6. Macrophages in inflammation and neoplasia.
7. Explain the mechanisms of antibiotic resistance in bacteria.
8. Cell mediated immunity
9. Discuss masticatory mucosa
10. Meta-analysis in medical research.

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