

QP Code: 111230

Reg. No.....

MDS Part I Degree Supplementary Examinations January 2021

Orthodontics and Dentofacial Orthopedics

Paper I – Applied Basic Sciences in Orthodontics

**(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. Discuss the role of genes in the causation of non-syndromic cleft lip and palate.
2. What are the intrinsic and extrinsic factors that control bone morphology
3. Opiate and non-opiate analgesics.
4. Physiology of breathing.
5. Antimicrobial rinses in orthodontic patients.
6. Randomized controlled trials
7. Cold cure acrylic.
8. Write development and derivatives of first pharyngeal arch. What are first and second pharyngeal arch syndromes
9. Define stainless steel. Discuss the various physical and chemical properties of stainless steel with relevance to their use in orthodontics.
10. Ethical principles in orthodontic practice

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