

QP Code: 111230

Reg. No.....

**MDS Part I Degree Supplementary Examinations January 2022**

**Orthodontics and Dentofacial Orthopedics**

**Paper I – Applied Basic Sciences, Applied anatomy, Physiology, Dental Materials, Genetics, Pathology, Physical Anthropology, applied Research Methodology, Biostatistics and applied Pharmacology.**

**(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. Endochondral ossification and intra-membranous ossification.
2. Calcium metabolism
3. Explain Wolf's Law of transformation
4. Classify randomised control trials, add a note on post marketing surveillance.
5. Declaration of Helsinki.
6. Genetics of Class II and Class III malocclusions.
7. Define epidemiology, classify epidemiological studies, add a note on longitudinal and cross-sectional studies.
8. Effects of drugs on orthodontic tooth movement.
9. Define hardness and brittleness, add a note on the various macro and micro hardness test.
10. TMJ examination and diagnosis of Myofacial pain.

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