

QP Code: 111230

Reg. No.....

**MDS Part I Degree Supplementary Examinations January 2023**

**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. Explain in detail the development of cranial base.
2. List the skeletal maturity assessment methods. Write in detail on the Hassel and Farman method.
3. Nutritional influences on growth.
4. Classify gypsum products. Add a note on stone plaster.
5. Classify Nickel Titanium alloy arch wires. Add a note on its recent advances.
6. Twin studies and its significance.
7. Pharmacological management of Orthodontic pain.
8. Functional matrix hypothesis.
9. Sampling techniques.
10. Homeobox genes.

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