

**Q P Code: 211230**

**Reg. No.....**

**MDS Part II Degree Supplementary Examinations January 2020**

**Orthodontics and Dentofacial Orthopaedics**

**Paper I - Applied Anatomy, Physiology, Pathology, Genetics, Physical  
Anthropology and Dental Materials**

**(2016 Scheme)**

**Time: 3 Hours**

**Max. Marks: 75**

- **Answer all Questions**

**Long Essays**

**(2x20=40)**

1. Genetics of Dentofacial variations in human malocclusions.
2. Discuss in detail the development and anatomy of the temporomandibular joint.

**Short Essays**

**(5x7=35)**

3. Importance of puberty in orthodontic treatment
4. First and second messengers
5. Clasp knife reflex
6. Calcium metabolism
7. Stem cells and their significance

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