

QP Code: 131230

Reg. No.....

**MDS Part I Degree Regular/Supplementary Examinations
January 2025**

Orthodontics and Dentofacial Orthopaedics

**Paper 1- applied Basic Sciences: Applied Anatomy, Physiology
Dental Materials, Genetics, Pathology, Physical Anthropology, Applied
Research Methodology, Bio-statistics and Applied Pharmacology**

(2021 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. Sterilization in orthodontic office.
2. Alpha and Beta errors in statistics.
3. Latest trends in orthodontic bonding.
4. TALA (Totally Aesthetic Labial Archwire).
5. Neural crest cells.
6. Chemistry of self-curing composite bonding materials.
7. Twin studies.
8. Null hypothesis.
9. Drugs inhibiting and enhancing orthodontic tooth movement and its mechanism of action.
10. Role of temporomandibular joint in relation to orthodontic diagnosis.
