

QP Code: 131230

Reg. No.....

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

Orthodontics and Dentofacial Orthopedics

**Paper I - 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. Mechanical testing methods for Orthodontic materials
2. Discuss on development of dentition and occlusion
3. Recent advances in bond enhancers
4. Effects of long term steroid therapy on Orthodontic treatment
5. Muscle physiology and electromyography in Orthodontics
6. Connected Cellular Network(CCN)
7. Machine learning in Orthodontics
8. Evidence based Orthodontics
9. Separating media
10. Bjork polygons
