

THE TAMIL NADU DR. M.G.R. MEDICAL UNIVERSITY

[MDS 0223]

**FEBRUARY 2023
(OCTOBER 2022 EXAM SESSION)**

Sub. Code: 2521

**M.D.S. DEGREE EXAMINATION
(For the Candidates admitted from the Academic Year 2018-2019 onwards)**

FIRST YEAR

PART – I

BRANCH V – ORTHODONTICS AND DENTOFACIAL ORTHOPAEDICS

PAPER I – APPLIED BASIC SCIENCES

Q.P. Code: 242521

Time: 3 Hours

Maximum: 100 Marks

I. Elaborate on:

(10 x 10 = 100)

1. Discuss in brief various Congenital Anomalies Causing Malocclusion.
2. Temporomandibular joint movements and their significance to Normal Occlusion.
3. Role of Genetics in Malocclusion.
4. Vitamin D Synthesis.
5. Sterilization in Orthodontics.
6. Development of Speech and its difficulties related to Malocclusion.
7. Stem Cells and their Significance.
8. Aesthetic Arch Wires in Orthodontics
9. Histology of Bone.
10. Role of Biostatistics in Orthodontics.
