

Sl.No: M2311

Course Code: 14417101

**VINAYAKA MISSION'S RESEARCH FOUNDATION  
(Deemed to be University), SALEM**

**M.D.S. DEGREE EXAMINATION – July 2021**

**(New Regulations)**

**BRANCH - ORTHODONTICS AND DENTOFACIAL  
ORTHOPAEDICS**

**PART I – PAPER I : APPLIED BASIC SCIENCES : APPLIED  
ANATOMY, PHYSIOLOGY, DENTAL MATERIALS,  
GENETICS, PATHOLOGY, PHYSICAL ANTHROPOLOGY,  
APPLIED RESEARCH METHODOLOGY, BIO-STATISTICS  
AND APPLIED PHARMACOLOGY**

Time: Three hours

Maximum: 100 marks

Answer **ALL** the questions

**(10 x 10 = 100)**

1. Discuss the early and late inflammatory changes induced by an Orthodontic Appliance.
2. Discuss Growth rotations corresponding to the cranial and maxillo facial complex.
3. Enumerate and Discuss popular genetic disorder causing a disturbance in growth and development of facial morphology and thus causing related orthodontic Malocclusions.
4. Discuss Ceramics used in Orthodontics.
5. Discuss the Acid Etching used in Orthodontics.
6. Discuss Copper- Nickel Titanium Alloys used in Orthodontics.
7. Discuss Neuro Muscular function and process of muscle contraction.
8. Twin Studies.
9. Rigidity vs Elasticity of Orthodontic Wires.
10. Servo Petrovic theory of Growth and development.

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