

Sl.No: M21386

Course Code: 14417101

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

**M.D.S. DEGREE EXAMINATION – May 2019  
(New Regulations)**

**Branch – IV – ORTHODONTICS AND DENTOFACIAL  
ORTHOPAEDICS**

**Paper - I – APPLIED ANATOMY, PHYSIOLOGY, PATHOLOGY,  
GENETICS, PHYSICAL ANTHROPOLOGY AND DENTAL  
MATERIALS**

Time: Three hours

Maximum: 100 marks

Answer **ALL** the questions

**(10 x 10 = 100)**

1. Discuss functional occlusion
2. Discuss the growth and development of middle cranial fossa from pre natal stage to post natal maturation
3. Growth hormone
4. Calcium homeostasis
5. Load deflection rate
6. Hand wrist radiographs as skeletal maturity indicators
7. Composite resins used in orthodontics
8. Twin studies
9. Stress strain curve
10. Mendel's laws of human genetics

\*\*\*\*\*