

**QP CODE: 201230**

**Reg No:.....**

**MDS Part II Degree Examinations June 2018**  
**(Orthodontics and Dentofacial Orthopedics)**

**Paper I – Growth and Development, Occlusion, Genetics, Child & Adult Psychology  
and Applied Material Science**

**Time: 3 Hours**

**Total Marks: 100**

- Answer all Questions.
- Draw Diagrams wherever necessary.

**Essays**

**(2x20=40)**

1. Discuss the prenatal growth and development of the human face. Add a brief note on the developmental anomalies.
2. Discuss the growth rotation of the jaws. Elaborate upon the clinical implications citing appropriate references.

**Short Essays**

**(6x10=60)**

3. Shape memory alloys.
4. Classical conditioning.
5. Maturation of swallowing pattern.
6. Functional Matrix Theory
7. Nutritional influences on growth.
8. Twin studies

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