

**QP CODE: 201230**

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

**MDS Part II Examinations – August 2016  
(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.

**Essay**

**(2x20=40)**

1. Discuss the embryology, anatomy, blood supply, nerve supply, and functions of the tongue.

2. Discuss in detail calcium homeostasis in the body.

**(20)**

**Short Essays**

**(6x10=60)**

3. Homeobox gene.

4. Esthetic wires.

5. Equilibrium theory in the development of occlusion.

6. Erikson's stages of emotional development.

7. Frost mechanostat theory.

8. Relevance of Functional Matrix Theory in clinical orthodontics

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