

**March 2010**

**[KW 381]**

**Sub. Code: 2417**

**M.D.S. DEGREE EXAMINATION**

**Branch V – ORTHODONTICS AND DENTOFACIAL ORTHOPAEDICS**

**(Revised Regulations)**

**(For Candidates admitted from 2004 - 2005 onwards)**

**Paper I – APPLIED BASIC SCIENCES**

*Q.P. Code : 242417*

**Time : Three hours**

**Maximum : 100 marks**

**Answer ALL questions**

**Draw suitable diagram wherever necessary**

**I. Essay questions : (2 x 20 = 40)**

1. Discuss the current concepts of growth prediction in relation to orthodontics.
2. Discuss role of vitamins and hormones on the growth and development of Jaws and teeth.

**II. Write short notes on : (6 x 10 = 60)**

1. Growth trends.
2. Mutations.
3. Development of speech.
4. Growth spurts.
5. Genetically controlled malocclusions.
6. Histological development of cleft-palate.

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