

**MARCH 2008**

**[KS 381]**

**Sub. Code : 2417**

M.D.S. DEGREE EXAMINATION.

(Revised Regulations)

Branch V — Orthodontics

(For candidates admitted from the Academic Year  
2004–2005 onwards)

Paper I — APPLIED BASIC SCIENCES

**Q.P. Code : 242417**

Time : Three hours

Maximum : 100 marks

Answer ALL questions.

- I. Essay questions :
  1. Discuss in detail the development and anatomy of the Temporomandibular Joint (TMJ). (20)
  2. Discuss in detail about calcium metabolism. (20)
- II. Short notes :
  1. Infection control. (6 × 10 = 60)
  2. Primary and secondary cartilages.
  3. Growth hormone.
  4. Fibrous dysplasia of bone.
  5. Mechanism of action of drug.
  6. Essential amino acids.

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