

**MANIPAL ACADEMY OF HIGHER EDUCATION**

(Deemed University)

**FINAL BDS PART – I DEGREE EXAMINATION – JANUARY 2007****SUBJECT: ORTHODONTICS (ESSAY)**

Tuesday, January 09, 2007

Time available: 14.30 – 17.00 Hours

Maximum Marks: 80

1. Describe the theories of tooth movement.

(10 marks)

2. Short notes:

2A. Presurgical orthodontics.

2B. Frankel Philosophy.

2C. Active components of fixed appliance therapy.

2D. Soldering in orthodontics.

2E. Six keys to normal occlusion.

2F. Veau's classification of cleft lip and palate.

2G. Liverpool clasp.

2H. Deep Bite management.

2I. Wolfe's Law.

2J. Hawleys appliance.

(5×10 = 50 marks)

3. Short answers:

3A. Reinforced anchorage.

3B. Retainers.

3C. Midline diastema.

3D. ANB angle.

3E. Hyalinization.

3F. Mouth breathing.

3G. Electromyography.

3H. Jackson Tread.

3I. Face Bow.

3J. Hand wrist xrays.

(2×10 = 20 marks)



**MANIPAL UNIVERSITY**  
**FINAL BDS PART – I DEGREE EXAMINATION – JULY 2007**  
**SUBJECT: ORTHODONTICS (ESSAY)**

Friday, July 20, 2007

Time available: 14.30 – 17.00 Hours

Maximum Marks: 80

1. What are the different diagnostic aids used in orthodontics? Discuss the uses of cephalometrics.

(10 marks)

2. Write short notes:

- 2A. Welding
- 2B. Types of forces used in orthodontics
- 2C. Growth spurts
- 2D. Ackermann and Praffit classification
- 2E. Scammon's Curve
- 2F. Thumb sucking
- 2G. Class III Malocclusion
- 2H. Bankers Anchorage
- 2I. Midline diastema
- 2J. Active Components of fixed appliance therapy

(5×10 = 50 marks)

3. Short answers:

- 3A. Tooth positioner
- 3B. ANB angle
- 3C. Incisor Liability
- 3D. Frenectomy
- 3E. Lip Bumper
- 3F. Mouth breathing
- 3G. Mock Surgery
- 3H. Soldering
- 3I. Serial Extraction
- 3J. Chin Cup

(2×10 = 20 marks)

