

MANIPAL UNIVERSITY**FINAL BDS PART – I DEGREE EXAMINATION – JANUARY 2011****SUBJECT: ORTHODONTICS (ESSAY)**

Saturday, January 15, 2011

Time: 14:30 – 17:00 Hrs.

Maximum Marks: 80

1. Write in detail about the Etiology, problems associated and management of cleft lip and palate patients.

(10 marks)

2. **Write short notes on:**

- 2A. Synchronosis
2B. Ackermann and proffit classification
2C. Deep bite - factors to be considered in treatment and treatment modalities.
2D. Oral screen
2E. Factors causing relapse
2F. Tongue thrusting habit
2G. Slow v/s rapid maxillary expansion
2H. Hand and Wrist x-ray
2I. Types of tooth movement
2J. Reproximation

(5×10 = 50 marks)

3. **Write short answers on:**

- 3A. Leeway space of nance
3B. Reciprocal anchorage
3C. Orthodontic wires
3D. Corticotomy
3E. Define soldering and welding
3F. Facebow
3G. Transpalatal arch
3H. ANB angle and its significance
3I. Underminig resorption
3J. Schools of retention

(2×10 = 20 marks)

