Reg. No. ☐☐☐☐☐☐☐☐☐☐

MANIPAL UNIVERSITY

FINAL BDS PART – I DEGREE EXAMINATION – JANUARY 2015

SUBJECT: ORTHODONTICS (ESSAY)
(OLD REGULATION)

Wednesday, January 14, 2015

Time: 14:30 – 17:00 Hrs.   Maximum Marks: 80

✍ **Answer ALL the question.**

1. Describe the theories of tooth movement.

(10 marks)

2. **Short notes:**

2A. Presurgical Orthodontics

2B. Active Components of fixed appliance

2C. Liverpool clasp

2D. Wilkinson extraction

2E. Six keys to normal occlusion

2F. Scammon's growth curve

2G. Veau's classification of cleft lip palate

2H. Study models

2I. Mouth breathing

2J. Etiology of midline diastena

(5 marks × 10 = 50 marks)

3. **Short answers:**

3A. Deep bite management

3B. Electromyography

3C. Gumpads

3D. Synchondrosis

3E. Weld decay

3F. Reproximation

3G. Irreversible hydrocolloids

3H. Undermining resorption

3I. Y axis

3J. Cephaloceudal growth gradient

(2 marks × 10 = 20 marks)

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MANIPAL UNIVERSITY

FINAL BDS PART – I DEGREE EXAMINATION – JANUARY 2015

SUBJECT: ORTHODONTICS AND DENTOFACIAL ORTHOPAEDICS (ESSAY)
(NEW REGULATION)

Wednesday, January 14, 2015

Time: 14:15 – 17:00 Hrs.   Maximum Marks: 60

✍ **Essay questions:**

1. List the Andrews's keys to occlusion. Write in detail about the Angle's system of classification. Add a note on its drawbacks.

                                                                    (2+5+3 = 10 marks)

2. Define anchorage in orthodontics. List the various sources of anchorage. Write in detail on the factors considered in choosing the various intra oral sources of anchorage.

                                                                    (2+2+6 = 10 marks)

3. **Short Notes:**

3A. Growth spurts

3B. Trajectories of forces

3C. Kesling diagnostic set up

3D. Hyalinisation

3E. Raleigh Williams Keys to Eliminate Lower retention

3F. Write in detail about active components of removable appliance

3G. Chin cup

3H. Enumerate the clinical features of skeletal deep bite and a note on its management

3I. Presurgical orthodontics

3J. Enumerate the causes of relapse and add a note on fixed retainer

                                                                    (4 marks × 10 = 40 marks)

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