MANIPAL UNIVERSITY

FINAL BDS PART - I DEGREE EXAMINATION - JANUARY 2013

SUBJECT: ORTHODONTICS (ESSAY) (OLD REGULATION)

Saturday, January 12, 2013

Time: 14:30 – 17:00 Hrs.

Maximum Marks: 80

1. Write in detail about the histology of tooth movement and the various theories of tooth movement.

(10 marks)

2. Write short notes on:

- 2A. Unfavorable sequelae of malocclusion and jacksons triad.
- 2B. Post natal development of the mandible.
- 2C. Various methods of studying growth.
- 2D. Andrews six keys of normal occlusion.
- 2E. Ackerman proffit system of classification.
- 2F. Etiology, phases and effects of the thumb sucking habit.
- 2G. Orthodortic study models.
- 2H. Skeletal maturity assessment using cervical vertebrae.
- 2I. Proximal stripping.
- 2J. Fr-2.

 $(5 \times 10 = 50 \text{ marks})$

3. Write short answers on:

- 3A. Wolff's law of transformation of bone.
- 3B. Curve of spee.
- 3C. Characteristic features of infantile swallow.
- 3D. Definition of couple with one example.
- 3E. Definition of reciprocal anchorage with one example.
- 3F. Intermittent and interrupted force.
- 3G. Enumerate the factors considered while designing a spring.
- 3H. Formulas to calculate the overall Boltons excess and anterior Boltons excess.
- 3I. Clip on retainer.
- 3J. Flux and antiflux.

 $(2 \times 10 = 20 \text{ marks})$



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FINAL BDS PART - I DEGREE EXAMINATION - JANUARY 2013

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

Saturday, January 12, 2013

Time: 14:15 - 17:00 Hrs.

Maximum Marks: 60

1. Define and classify anchorage. Discuss in detail about the types of anchorage and planning anchorage.

(1+3+3+3 = 10 marks)

2. Write in detail about the etiology, clinical features and management of open bite.

(3+3+4 = 10 marks)

3. Write Short Notes on:

- 3A. Trajectories of force.
- 3B. Twin Block
- 3C. Adams Clasp
- 3D. Serial Extraction
- 3E. Jacksons Triad
- 3F. Catlans Appliance.
- 3G. Theories of tooth movement.
- 3H. Methods of studying growth.
- 3I. Orthodontic Brackets.
- 3J. Cervical Vertebrae Maturation Index.

 $(4\times10=40 \text{ marks})$

