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MANIPAL ACADEMY OF HIGHER EDUCATION

FINAL BDS PART - I DEGREE EXAMINATION - FEBRUARY 2020

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

Wednesday, February 19, 2020

Time: 14:15 - 17:00 Hrs.

Maximum Marks: 60

- Answer ALL questions.
- ∠ Long questions:
- 1. Describe in detail the management of class III malocclusion.

(10 marks)

2. Mention the mechanisms involved in the growth of maxilla. Describe in brief the postnatal growth of maxilla.

(3+7 = 10 marks)

- 3. Write short notes on:
- 3A. Reinforced anchorage.
- 3B. Skeletal and dental effects of R.ME.
- 3C. Presurgical orthodontics.
- 3D. Treatment of deep bite.
- 3E. Problems associated with cleft lip and palate.
- 3F. Causes of relapse.
- 3G. Orthodontic study models.
- 3H. Andrew's six keys to occlusion.
- 31. The Ugly Duckling stage.
- 3J. The functional matrix concept.

 $(4 \text{ marks} \times 10 = 40 \text{ marks})$

Reg. No.				

MANIPAL ACADEMY OF HIGHER EDUCATION FINAL BDS PART – I DEGREE EXAMINATION – FEBRUARY 2020

SUBJECT: ORTHODONTICS (ESSAY) (OLD REGULATION)

Wednesday, February 19, 2020

Time: 14:30 - 17:00 Hrs.

Maximum Marks: 80

Answer ALL the questions.

1. Write in detail about the procedure, indications, contraindications, appliances, effects and retention of rapid maxillary expansion.

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

2. Write short notes on:

- 2A. Methods of studying craniofacial growth
- 2B. Types of orthodontic forces based on duration of application
- 2C. Therapeutic extraction of first premolars
- 2D. Management of midline diastema
- 2E. Clinical features and management of digit sucking habit
- 2F. Ackerman-profitt cassification
- 2G. Features of Class III malocclusion
- 2H. Catlans appliance
- 2I. Theories of tooth movement
- 2J. Cervical vertebrae maturation index

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

3. Write short answers on:

- 3A. Wolff's law of transformation of bone
- 3B. Flush terminal plane
- 3C. Types of facial profile and landmarks used for its assessment
- 3D. Design of nance palatal arch and its application
- 3E. List the various causes of relapse
- 3F. Composition of dental solder
- 3G. List clinical features of Class II Div 1 malocclusion
- 3H. List the factors to be considered while designing a spring
- 3I. Define ANB angle and depict it graphically
- 3J. List the various essential diagnostic aids

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

