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MANIPAL ACADEMY OF HIGHER EDUCATION
FINAL BDS PART – I DEGREE EXAMINATION – MARCH 2023
SUBJECT: ORTHODONTICS AND DENTOFACIAL ORTHOPAEDICS (ESSAY)

(2019 BATCH - REGULAR)

Friday, March 24, 2023

Time: 14:15 – 17:00 Hrs.

Maximum Marks: 60

✍ **Answer ALL questions.**

✍ **Draw Diagrams wherever necessary.**

✍ **Essay:**

1. Classify the components of removable and fixed appliances. Write in detail on labial bow and the types of labial bow with indications.

(4+6 = 10 marks)

2. What is optimum orthodontic force? Explain the phases of tooth movement. Write in brief on the histological changes following application of heavy and light orthodontic force

(2+4+4 = 10 marks)

3. **Short notes:**

3A. Scammon's Growth Curve

3B. Meckel's cartilage

3C. Thumb sucking habit

3D. Quad helix

3E. Management of midline diastema

3F. Frenectomy

3G. Features of Class II Div II malocclusion

3H. Principles of spot welder

3I. Simon's Classification

3J. Proximal stripping

(4 marks × 10 = 40 marks)

