

MANIPAL ACADEMY OF HIGHER EDUCATION
FINAL BDS PART – I DEGREE EXAMINATION – JULY 2019
SUBJECT: ORTHODONTICS AND DENTOFACIAL ORTHOPAEDICS (ESSAY)
(NEW REGULATION)

Wednesday, July 10, 2019

Time: 14:15 – 17:00 Hrs.

Maximum Marks: 60

✍ **Answer ALL questions.**

1. Write on the appliance components, mechanism of action, advantages and disadvantages of removable appliances. Add a note on the design and use of the Adam's clasp

(6+4 = 10 marks)

2. Define retention and relapse. List and briefly explain the various Reidel's Theorems of Retention.

(3+7 = 10 marks)

3. **Write short notes on:**

3A. Endochondral and Intramembranous ossification

3B. Gum pads

3C. Angle's system of classification of malocclusion

3D. Tweed's cephalometric analysis

3E. Phases of tooth movement

3F. Intermaxillary anchorage

3G. Stainless steel arch wire

3H. Modes of action of Functional Regulator

3I. Etiology, diagnosis and management of anterior crowding

3J. Therapeutic extraction.

(10 marks × 4 = 40 marks)

