

MANIPAL ACADEMY OF HIGHER EDUCATION
FINAL BDS PART – I DEGREE EXAMINATION – APRIL 2022
SUBJECT: ORTHODONTICS AND DENTOFACIAL ORTHOPAEDICS (ESSAY)
(REGULAR BATCH)
Monday, April 11, 2022

Time: 14:15 – 17:00 Hrs.

Maximum Marks: 60

✍ **Answer ALL questions.**

✍ **Long Questions:**

1. Enumerate the theories of growth; Write in detail the postnatal growth of the maxilla. Add a note on growth spurts.

(4+3+3 = 10 marks)

2. Classify the components of removable and fixed appliances. Write in detail on Adams clasp and its modifications.

(3+4+3 = 10 marks)

3. **Write short notes on:**

3A. V principle of growth

3B. Leeway space of Nance

3C. Retained infantile swallow

3D. Classify anchorage. Add a note on Baker's anchorage

3E. Types of functional regulators. Add a note on The Frankel philosophy

3F. Define Optimum Orthodontic force. Write about clinical and histologic characteristics

3G. Cephalo-caudal gradient of growth

3H. Ugly duckling stage

3I. Soldering and Welding

3J. Hassel and Farman method

(4 marks × 10 = 40 marks)

