

Question Paper

Exam Date & Time: 31-Jul-2023 (02:15 PM - 05:00 PM)



MANIPAL ACADEMY OF HIGHER EDUCATION

FINAL BDS PART – I DEGREE EXAMINATION - JULY 2023
SUBJECT: ORTHODONTICS AND DENTOFACIAL ORTHOPAEDICS
(IR BATCH)

Marks: 60

Duration: 165 mins.

Answer all the questions.

Draw Diagrams wherever necessary

Essay:

- 1) Classify cleft lip and palate. Discuss aetiology and orthodontic treatment protocol from birth to adulthood. (3+2+5 = 10 marks)
- 2) Discuss the methods of maxillary expansion. Write in detail about Rapid maxillary expansion - effects, appliances and retention protocol. (4+6 = 10 marks)

3) **Short notes:**

- 3A) Cephalocaudal gradient of growth (4)
- 3B) Ugly duckling stage (4)
- 3C) Wolff's law (4)
- 3D) Schools of retention (4)
- 3E) Growth site vs growth centre (4)
- 3F) TMA wires (4)
- 3G) Bolton's analysis (4)
- 3H) Lower incisor extraction (4)
- 3I) Types of functional regulators. (4)
- 3J) Catalan's appliance (4)

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