

Reg. No.

MANIPAL ACADEMY OF HIGHER EDUCATION

MDS PART - II (ORTHODONTICS AND DENTOFACIAL ORTHOPAEDICS) DEGREE
EXAMINATION – DECEMBER 2021

SUBJECT: PAPER I – ORTHODONTIC HISTORY, CONCEPTS OF OCCLUSION AND ESTHETICS, CHILD AND ADULT PSYCHOLOGY, ETIOLOGY AND CLASSIFICATION OF MALOCCLUSION, DENTOFACIAL ANOMALIES, DIAGNOSTIC PROCEDURES AND TREATMENT PLANNING IN ORTHODONTICS, PRACTICE MANAGEMENT IN ORTHODONTICS

Friday, December 03, 2021

Time: 14:00 – 17:00 Hrs.

Max. Marks: 100

✍ **Long Essays:**

1. Write in detail about the relationship between airway and malocclusion. (25 marks)
2. Write in detail on orthodontic office design. (25 marks)
3. **Write short essay on:**
 - 3A. Golden proportion
 - 3B. Jean Piaget's theory of cognitive development
 - 3C. Crouzon syndrome
 - 3D. Digital study models
 - 3E. The great extraction debate(10 marks × 5 = 50 marks)



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EXAMINATION – DECEMBER 2021

SUBJECT: PAPER II – CLINICAL ORTHODONTICS

Saturday, December 04, 2021

Time: 14:00 – 17:00 Hrs.

Max. Marks: 100

✍ Answer ALL the questions.

✍ Draw diagrams and flowchart where necessary.

✍ Long Essay:

1. Classify myofunctional appliances. Describe in detail mechanism of action, types and phases of twin block therapy.

(25 marks)

2. Discuss class II malocclusion in detail and its management.

(25 marks)

3. Write short notes on:

3A. Maxillary protraction in late adolescents

3B. Splints for TMJ disorders

3C. Types of NiTi and its uses in orthodontics

3D. Laser applications in orthodontics

3E. Biomechanics of maxillary arch distalization

(10 marks × 5 = 50 marks)



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EXAMINATION – DECEMBER 2021

SUBJECT: PAPER III – DESCRIPTIVE AND ANALYSING TYPE QUESTION

Monday, December 06, 2021

Time: 14:00 – 17:00 Hrs.

Max. Marks: 100

 Answer any TWO questions.

1. Discuss the role of an Orthodontist in smile designing. (50 marks)
2. Deliberate on friction vs frictionless retraction mechanics. (50 marks)
3. Legal aspects in an orthodontic practice. (50 marks)

