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MANIPAL ACADEMY OF HIGHER EDUCATION
MDS PART - II (ORTHODONTICS AND DENTOFACIAL ORTHOPAEDICS) DEGREE
EXAMINATION – JUNE 2023

PAPER - I

Wednesday, June 14, 2023

Time: 14:00 – 17:00 Hrs.

Max. Marks: 100

✍ **Answer ALL the questions.**

✍ **Draw Diagrams and Flowchart where necessary.**

1. Illustrate the various diagnostic aids and growth prediction techniques relevant to a case with Angle's class III malocclusion.

(25 marks)

2. Outline the different skeletal maturity assessment techniques available for cases presenting with skeletal base discrepancies.

(25 marks)

3. **Write short notes on:**

3A. Katz premolar classification

3B. Etiopathogenesis of Cleft lip and Cleft palate

3C. Discuss the various philosophies of guidance of occlusion.

3D. Rickets superimposition method

3E. Arch forms

(10 marks × 5 = 50 marks)



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MDS PART - II (ORTHODONTICS AND DENTOFACIAL ORTHOPAEDICS) DEGREE
EXAMINATION – JUNE 2023

PAPER - II

Friday, June 16, 2023

Time: 14:00 – 17:00 Hrs.

Max. Marks: 100

✍ **Answer all the questions.**

✍ **Draw diagram and flowchart where necessary.**

1. Facial asymmetry – Diagnosis and treatment considerations.

(25 marks)

2. Non-compliance treatment of class II malocclusion.

(25 marks)

3. **Write short notes on:**

3A. Biomechanical aspects of frictionless mechanics and its clinical implications

3B. Wilckodontics

3C. Deprogramming splints

3D. Torqueing auxiliaries

3E. Management of gummy smile

(10 marks × 5 = 50 marks)



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MDS PART - II (ORTHODONTICS AND DENTOFACIAL ORTHOPAEDICS) DEGREE
EXAMINATION – JUNE 2023

PAPER - III

Monday, June 19, 2023

Time: 14:00 – 17:00 Hrs.

Max. Marks: 100

✍ **Draw Diagrams wherever necessary.**

✍ **Write an Essay on ANY TWO of the following.**

1. Orthodontics and Sleep Disorders
2. Controversies in Orthodontics
3. Friction and Frictionless mechanics

(50 marks × 2 = 100 marks)

