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MANIPAL ACADEMY OF HIGHER EDUCATION

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

Thursday, June 03, 2021

Time: 10:00 – 13:00 Hrs.

Max. Marks: 100

✍ **Long Essays:**

1. Orthodontic Practice Management – Discuss from an Indian Perspective. (25 marks)

2. Discuss assessment of treatment results using cephalometrics. (25 marks)

3. **Short Essays:**

3A. Cooperation in Adolescent patients.

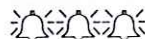
3B. Orthodontic preparation for surgery.

3C. Di Paulo's Quadrilateral Analysis

3D. Electromyography as a Diagnostic tool in Orthodontics.

3E. Stages of Emotional Development

(10 marks × 5 = 50 marks)



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EXAMINATION – JUNE 2021

SUBJECT: PAPER II – CLINICAL ORTHODONTICS

Saturday, June 05, 2021

Time: 10:00 – 13:00 Hrs.

Max. Marks: 100

✍ Answer ALL the questions.

✍ Long Essay:

1. Discuss broadly on the management of a case with Angle's class III malocclusion. Add a note on GTRV ratio.

(25 marks)

2. Explain in detail the various uses of LASER in orthodontics.

(25 marks)

3. Short Essay:

3A. Write briefly on the archwires used for alignment.

3B. Discuss Pre Surgical orthodontics.

3C. Utility arches and their use in managing deepbite.

3D. Role of RANK, RANKL and OPG in biology of tooth movement.

3E. Elaborate on the technique of impression taking for the fabrication of FR 2 appliance.

(10 marks × 5 = 50 marks)



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EXAMINATION – JUNE 2021

SUBJECT: PAPER III – DESCRIPTIVE AND ANALYSING TYPE QUESTION

Monday, June 07, 2021

Time: 10:00 – 13:00 Hrs.

Max. Marks: 100

✍ Draw diagrams and flowchart where necessary.

✍ Answer ANY TWO questions.

1. Classify fixed functional appliances. Explain in detail the various hybrid appliances in an adolescent patient.

(50 marks)

2. Explain in detail the cellular changes on pressure and tension sides of PDL to orthodontic forces. Add a note on iatrogenic effects of orthodontic force.

(50 marks)

3. Explain role of masticatory muscles in malocclusion

(50 marks)

