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MANIPAL UNIVERSITY

MDS (ORTHODONTICS AND DENTOFACIAL ORTHOPAEDICS) DEGREE EXAMINATION – JUNE 2017

SUBJECT: PAPER I – APPLIED BASIC SCIENCES: APPLIED ANATOMY, PHYSIOLOGY, DENTAL MATERIALS, GENETICS, PATHOLOGY, PHYSICAL ANTHROPOLOGY, APPLIED RESEARCH METHODOLOGY, BIO-STATISTICS AND APPLIED PHARMACOLOGY

Monday, June 05, 2017

Time: 14:00 – 17:00 Hrs.

Max. Marks: 75

✍ Answer ALL questions.

✍ Illustrate your answers with diagrams and flowcharts wherever possible.

✍ Long Essays:

1. Discuss the role of mandibular growth in relation to orthodontic treatment.

(20 marks)

2. Discuss the importance of TMJ in relation to growth and development.

(20 marks)

3. Short notes:

3A. Nutrition and its effects in growth

3B. Skeletal age

3C. Alfa and Beta Titanium alloys

3D. Ectodermal dysplasia

3E. Anterior component of force

(7 marks × 5 = 35 marks)



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MANIPAL UNIVERSITY

MDS (ORTHODONTICS AND DENTOFACIAL ORTHOPAEDICS) DEGREE EXAMINATION – JUNE 2017

SUBJECT: PAPER II – ORTHODONTIC HISTORY, CONCEPT 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

Tuesday, June 06, 2017

Time: 14:00 – 17:00 Hrs.

Max. Marks: 75

✍ Answer ALL questions.

✍ Illustrate your answers with diagrams and flowcharts wherever possible.

✍ Long Essays:

1. Explain – ‘Malocclusion & Periodontal disease Interrelationship’.

(20 marks)

2. Discuss about use of radiographs in Orthodontics.

(20 marks)

3. Short notes:

3A. Randomised clinical trials

3B. Psychology of thumb sucking habit

3C. Jarabak analysis

3D. Treatment difficulty Index

3E. Midline Diastema

(7 marks × 5 = 35 marks)



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MANIPAL UNIVERSITY
MDS (ORTHODONTICS AND DENTOFACIAL ORTHOPAEDICS)
DEGREE EXAMINATION – JUNE 2017
SUBJECT: PAPER III – CLINICAL ORTHODONTICS

Wednesday, June 07, 2017

Time: 14:00 – 17:00 Hrs.

Max. Marks: 75

✍ **Answer ALL questions.**

✍ **Illustrate your answers with diagrams and flowcharts wherever possible.**

✍ **Long Essays:**

1. Discuss treatment of class III malocclusion.

(20 marks)

2. Describe detail in the management of TMD.

(20 marks)

3. **Write short notes on:**

3A. Explain giving reasons for the line of treatment of pre-surgical orthodontics.

3B. Post treatment elasticity of rotated teeth.

3C. Frankel's philosophy.

3D. Types of loops.

3E. Soldering and welding.

(7 marks × 5 = 35 marks)



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MANIPAL UNIVERSITY
MDS (ORTHODONTICS AND DENTOFACIAL ORTHOPAEDICS)
DEGREE EXAMINATION – JUNE 2017

SUBJECT: PAPER IV: ESSAY

Thursday, June 08, 2017

Time: 14:00 – 17:00 Hrs.

Max. Marks: 75

✍ **Draw Diagram wherever necessary.**

✍ **Write an Essay on:**

2. Dental and Craniofacial Asymmetries - Diagnosis and Treatment.

OR

3. Interdisciplinary Treatment: Integration of orthodontics and other Dental Specialities.

(75 marks)

