

MANIPAL UNIVERSITY

MDS (ORTHODONTICS) DEGREE EXAMINATION – APRIL 2007 SUBJECT: PAPER I – APPLIED ANATOMY, PHYSIOLOGY, PATHOLOGY, GENETICS, GROWTH, DEVELOPMENT AND PHYSICAL ANTHROPOLOGY

Monday, April 02, 2007

Time: 3 hours

Max Marks: 100

✍ Answer ALL questions.

✍ Illustrate your answers with diagrams, flow charts wherever appropriate.

1. Discuss the hormonal influence on condylar cartilage.

(30 marks)

2. Describe the current status of growth prediction.

(30 marks)

3. Write short notes on:

3A. Longitudinal growth studies.

3B. Role of genetics and environment in orthodontics.

(40 marks)

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SUBJECT: PAPER II – CHILD PSYCHOLOGY, ETIOLOGY, CLASSIFICATION, DIAGNOSTIC PROCEDURE & TREATMENT PLANNING IN ORTHODONTICS

Tuesday, April 03, 2007

Time: 3 hours

Max Marks: 100

✍ **Answer ALL questions.**

✍ **Illustrate your answer with diagrams, flow charts wherever necessary.**

1. Discuss the common error in obtaining standard lateral cephalogram. What are the means to correct them and improve the cephalogram?

(30 marks)

2. Discuss the psychology of abnormal oral habits.

(30 marks)

3. Write short notes on:

3A. Diagnostic set up.

3B. Median diastema.

(40 marks)

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MDS (ORTHODONTICS) DEGREE EXAMINATION – APRIL 2007

SUBJECT: PAPER III – CLINICAL ORTHODONTICS AND DENTAL MATERIALS

Wednesday, April 04, 2007

Time: 3 hours

Max Marks: 100

✍ Answer ALL questions

✍ Illustrate your answers with diagrams, flow charts wherever appropriate.

1. Discuss recent advances in bonding materials and techniques.

(30 marks)

2. Discuss various approaches adopted for deep bite correction in fixed orthodontics.

(30 marks)

3. Write short notes on:

(40 marks)

3A. Self-ligating brackets.

3B. Molar uprighting techniques.

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MDS (ORTHODONTICS) DEGREE EXAMINATION – APRIL 2007

SUBJECT: PAPER IV – ESSAY

Thursday, April 05, 2007

Time: 3 hours

Max Marks: 100

 **Draw diagrams wherever necessary.**

Write an essay on:

Orthodontic wires

OR

Infection control in orthodontics