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MARAKGAD : APRIL/ MAY 2011  
SUBJECT : ORTHODONTICS AND DENTOFACIAL ORTHOPEDICS  
PAPER-I : APPLIED BASIC SCIENCES  
(2008 Course)

Day : Friday  
Date : 13-05-2011

Time : 9:00 A.M. TO 12:00 NOON  
Max. Marks : 75.

**N.B.:**

- 1) All questions are **COMPULSORY**.
- 2) Draw neat labeled diagrams **WHEREVER** necessary.

**Long Essay on**

(2 × 20 = 40)

- 1) Discuss concept of Nature Vs Nurture.
- 2) Write in detail the anatomic structure and movements of TMJ. Add a note on its development and evolution.

**Write short Essay on**

(5 × 7 = 35)

- 3) Neurologic mechanism involved in orthodontic tooth movement.
- 4) Epigenetic landscape.
- 5) Prenatal development of maxilla.
- 6) Prenatal development of tongue and maturation of oral functions.
- 7) Discuss morphometrics.

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MARAKGAD : APRIL/ MAY 2011  
SUBJECT : ORTHODONTICS AND DENTOFACIAL ORTHOPEDICS  
PAPER-IV : ESSAY (2008 course)

Day : Friday  
Date : 20-05-2011

Time : 9.00 A.M. To 12.00 Noon  
Max. Marks : 75.

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Write Essay on

(1 × 75 = 75)

Orthodontic arch wires.

OR

Lingual orthodontics.

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MARAKGAD : APRIL/ MAY 2011  
SUBJECT : ORTHODONTICS AND DENTOFACIAL ORTHOPEDICS  
PAPER-II : DIAGNOSIS AND TREATMENT PLANNING

Day : Monday (2008 course)  
Date : 16-05-2011

Time : 9:00 A.M. To 12:00 Noon  
Max. Marks : 75.

**N.B.:**

- 1) All questions are **COMPULSORY**.
- 2) Draw neat labeled diagrams **WHEREVER** necessary.

**Long Essay on**

(2 × 20 = 40)

- 1) Discuss the role of soft tissues in orthodontic diagnosis and treatment planning.
- 2) Write in detail the pathophysiology of Obstructive Sleep Apnea.

**Write short Essay on**

(5 × 7 = 35)

- 3) Indications of early orthognathic surgeries.
- 4) Macro and micro esthetics.
- 5) Discuss the behavioral modification techniques useful for orthodontic patients.
- 6) Evaluation of smile in orthodontic treatment planning.
- 7) Methods of assessing facial asymmetry.

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MARAKGAD : APRIL/ MAY 2011  
SUBJECT : ORTHODONTICS AND DENTOFACIAL ORTHOPEDICS  
PAPER-III : CLINICAL ORTHODONTICS AND MECHANOTHERAPY  
(2009 Course)

Day : Wednesday  
Date : 18-05-2011

Time : 9:00 A.M TO 12:00 Noon  
Max. Marks : 75.

**N.B.:**

- 1) All questions are **COMPULSORY**.
- 2) Draw neat labeled diagrams **WHEREVER** necessary.

**Long Essay on**

(2 × 20 = 40)

- 1) What are asperities? Discuss the role of friction in orthodontic tooth movement.
- 2) Discuss effective bonding of orthodontic attachments to non-enamel surfaces.

**Write short Essay on**

(5 × 7 = 35)

- 3) Discuss rotation control in self ligating brackets.
- 4) Discuss the various mechanics used for simultaneous intrusion and retraction of anterior teeth.
- 5) Discuss the concept of moment to force ratio in orthodontic tooth movement.
- 6) Molar uprighting springs.
- 7) Discuss the role of removable appliances in contemporary orthodontic practice.

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