

MARAKGAD: APRIL / MAY - 2012  
**SUBJECT: ORTHODONTICS AND DENTOFACIAL ORTHOPEDICS**  
**PAPER - I: APPLIED ANATOMY, PHYSIOLOGY, PATHOLOGY, GENETICS**  
**PHYSICAL ANTHROPOLOGY AND DENTAL MATERIAL**

Day: Saturday  
Date: 12.05.2012

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

**N.B.:**

- 1) All questions are **COMPULSORY**.
- 2) Figures to the right indicate **FULL** marks.
- 3) Draw neat diagrams **WHEREVER** necessary.

**Long Essay Questions:**

- Q.1** Discuss the adjustments of the maxillomandibular complex from birth to Adulthood with reference to the developing dentition. (20)
- Q.2** Discuss the controlling factors for bone modeling and remodeling. (20)

**Short Essay Questions:**

- Q.3** Infection control in orthodontics. (07)
- Q.4** Discuss Endochondral ossification Vs. Intramembranous ossification. (07)
- Q.5** Discuss canine guided Vs group guided occlusion. (07)
- Q.6** Tests of significance. (07)
- Q.7** Pain control in orthodontics. (07)

**MARAKKAD: APRIL / MAY - 2012**  
**SUBJECT: ORTHODONTICS AND DENTOFACIAL ORTHOPEDICS**  
**PAPER - IV: ESSAY**

Day: Friday  
Date: 18.05.2012

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

**N.B.:**

- 1) Answer any **ONE**.
- 2) Figures to the right indicate **FULL** marks.
- 3) Draw neat diagrams **WHEREVER** necessary.

**Q.1** Role of functional appliances in contemporary orthodontic treatment. **(75)**

**OR**

**Q.2** Growth prediction. **(75)**

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MARAKGAD APRIL / MAY - 2012  
SUBJECT: ORTHODONTICS AND DENTOFACIAL ORTHOPEDICS  
PAPER - II: DIAGNOSIS AND TREATMENT PLANNING

Day: Monday  
Date: 14.05.2012

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

**N.B.:**

- 1) All questions are **COMPULSORY**.
- 2) Figures to the right indicate **FULL** marks.
- 3) Draw neat diagrams **WHEREVER** necessary.

**Long Essay Questions:**

- Q.1** Discuss the pathophysiology and treatment of obstructive Sleep Apnea. (20)
- Q.2** A 11 year old female patient comes to your clinic. She has a convex profile. Her upper arch is constricted and she exhibits a mild vertical growth pattern. She also presents with a deep bite and an increased overjet of 12mm. Discuss the differential diagnosis, treatment objectives and treatment plan for this patient. (20)

**Short Essay Questions:**

- Q.3** Discuss orthodontic splints in the treatment of TMJ problems. (07)
- Q.4** What are anterior interferences and discuss their significance during finishing an orthodontic case. (07)
- Q.5** Discuss the behavioral modification techniques useful in orthodontics. (07)
- Q.6** CBCT. (07)
- Q.7** Esthetic consideration while orthodontic treatment planning. (07)

MARAKKAD APRIL / MAY - 2012  
SUBJECT: ORTHODONTICS AND DENTOFACIAL ORTHOPEDICS  
PAPER - III: CLINICAL ORTHODONTICS AND MECHANOTHERAPY

Day: Wednesday  
Date: 16.05.2012

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

**N.B.:**

- 1) All questions are **COMPULSORY**.
- 2) Figures to the right indicate **FULL** marks.
- 3) Draw neat diagrams **WHEREVER** necessary.

**Long Essay Questions:**

- Q.1** What are asperities? Discuss the role of friction in orthodontic tooth movement. (20)
- Q.2** Discuss the role of orthodontic treatment in a cleft palate cases. (20)

**Short Essay Questions:**

- Q.3** KSIR. (07)
- Q.4** Space closure mechanics. (07)
- Q.5** Discuss retention with regards to different types of malocclusion. (07)
- Q.6** Discuss the various mechanics used for simultaneous intrusion and retraction of anterior teeth. (07)
- Q.7** Treatment for impacted canines. (07)

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