

**MARAKGAD : APRIL/ MAY 2013**  
**SUBJECT : ORTHODONTICS AND DENTOFACIAL ORTHOPEDICS**  
**PAPER-I : APPLIED ANATOMY, PHYSIOLOGY, PATHOLOGY, GENETICS**  
**PHYSICAL ANTHROPOLOGY AND DENTAL MATERIALS**

Day : *Thursday*  
Date : *25.2013*

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 in detail about the newer arch wires used in Orthodontics. (20)
- Q.2** Discuss the controlling factors for Bone modeling and remodeling. (20)

**Short Essay Questions:**

- Q.3** Discuss the role of genetics in external root resorption. (07)
- Q.4** Elastomeric ligatures and chains. (07)
- Q.5** Management of foreign body ingestion of Orthodontic origin. (07)
- Q.6** Discuss the response of the periodontal ligament to physiological force. (07)
- Q.7** Endochondral ossification vs Intramembranous ossification. (07)

\* \* \*

MARAKGAD : Oct-Nov-2013  
SUBJECT : ORTHODONTICS AND DENTOFACIAL ORTHOPEDICS  
PAPER-IV : ESSAY

Day : Wednesday  
Date : 13-11-2013

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.
- 

One phase versus Two phase treatment for class II malocclusion.

(75)

**OR**

Limitations of Orthodontics.

(75)

\* \* \*

**MARAKGAD : APRIL/ MAY 2013**  
**SUBJECT : ORTHODONTICS AND DENTOFACIAL ORTHOPEDICS**  
**PAPER-II : DIAGNOSIS AND TREATMENT PLANNING**

Day : *Saturday*  
Date : *4.5.2013*

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 of Obstructive Sleep Apnea. (20)
- Q.2** Write in details about recent advances in Craniofacial Imaging in Orthodontics. (20)

**Short Essay Questions:**

- Q.3** Discuss the role of splints for diagnosing TMJ problems. (07)
- Q.4** What are anterior interferences and discuss their significance during finishing an orthodontic case. (07)
- Q.5** Grummon's Cephalometric Analysis. (07)
- Q.6** Self correcting malocclusions - discuss. (07)
- Q.7** Envelope of discrepancy - discuss. (07)

\* \* \*

MARAKGAD : OCT-NOV-2013  
SUBJECT : ORTHODONTICS AND DENTOFACIAL ORTHOPEDICS  
PAPER-II : DIAGNOSIS AND TREATMENT PLANNING

Day : Saturday  
Date : 09-11-2013

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 etiology, diagnosis and treatment modalities of facial asymmetry. (20)
- Q.2 Discuss various growth prediction methods. (20)

**Short Essay Questions:**

- Q.3 Limitations of angle ANB. (07)
- Q.4 Psychological management of Rebellious child. (07)
- Q.5 Management of Boltan's discrepancy. (07)
- Q.6 Occlusogram. (07)
- Q.7 Kesling diagnostic setup. (07)

\* \* \*

**MARAKGAD : APRIL/ MAY 2013**  
**SUBJECT : ORTHODONTICS AND DENTOFACIAL ORTHOPEDICS**  
**PAPER-III : CLINICAL ORTHODONTICS AND MECHANOTHERAPY**

Day : *Monday*  
Date : *6.5.2013*

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** Diagnosis and management of early and late skeletal class III malocclusion. (20)
- Q.2** What are asperities? Discuss the role of friction in Orthodontics. (20)

**Short Essay Questions:**

- Q.3** Passive v/s active self ligating brackets. (07)
- Q.4** Essix retainer. (07)
- Q.5** Reversal of white spots (decalcification). (07)
- Q.6** Loops and helices in Orthodontics. (07)
- Q.7** Utility arches. (07)

\* \* \*

MARAKGAD : Oct-Nov-2013  
SUBJECT : ORTHODONTICS AND DENTOFACIAL ORTHOPEDICS  
PAPER-III : CLINICAL ORTHODONTICS AND MECHANOTHERAPY

Day : Monday  
Date : 11-11-2013

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 various approaches and appliances in the management of vertical deep over bite. (20)
- Q.2** Distraction osteogenesis in mandible. (20)

**Short Essay Questions:**

- Q.3** Hybrid expansion appliances. (07)
- Q.4** Molar protraction mechanics. (07)
- Q.5** 0.018 slot vs 0.022 slot. (07)
- Q.6** MARS appliance. (07)
- Q.7** Versatility of MBT appliance. (07)

**MARAKGAD : APRIL/ MAY 2013**  
**SUBJECT : ORTHODONTICS AND DENTOFACIAL ORTHOPEDICS**  
**PAPER-IV : ESSAY**

Day : Wednesday  
Date : 8.5.2013

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.

Role of Functional Appliances in contemporary orthodontic.

(75)

**OR**

Sterilization in Orthodontics.

(75)

\* \* \*

MARAKGAD : Oct-Nov-2013

**SUBJECT : ORTHODONTICS AND DENTOFACIAL ORTHOPEDICS**  
**PAPER-I : APPLIED ANATOMY, PHYSIOLOGY, PATHOLOGY, GENETICS**  
**PHYSICAL ANTHROPOLOGY AND DENTAL MATERIALS**

Day : Thursday  
Date : 07-11-2013

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** Development and derivatives of first pharyngeal arches and brief about its pathogenesis. (20)

**Q.2** Effect of bracket and wire composition on frictional forces. (20)

**Short Essay Questions:**

**Q.3** Orthodontic bonding to crowns and restorations. (07)

**Q.4** Autosomal dominant traits. (07)

**Q.5** Speech difficulties due to malocclusion. (07)

**Q.6** Epigenetic factors. (07)

**Q.7** Calcium Metabolism. (07)