

MARAKGAD : WINTER - 2015
**SUBJECT : PAPER-I – APPLIED ANATOMY, PHYSIOLOGY, PATHOLOGY,
GENETICS, PHYSICAL ANTHROPOLOGY AND DENTAL MATERIALS**

Day : Saturday
Date : 31/10/2015

Time : 09.00 AM TO 12.00 NOON
Max. Marks : 75.

N.B.:

- 1) All questions are **COMPULSORY**.
 - 2) Figures to the **RIGHT** indicate full marks.
 - 3) Draw labeled diagrams **WHEREVER** necessary.
-

Long Essay Questions:

- Q.1 Discuss in detail the development of hard palate and enumerate the pathophysiology in cleft lip and palate patients. (20)
- Q.2 Discuss nutritional and hormonal factors affecting growth and development of face. (20)

Short Essay Questions:

- Q.3 Regulation of calcium metabolism in the human body. (07)
- Q.4 Obstructive sleep apnea. (07)
- Q.5 Infection control during orthodontic treatment. (07)
- Q.6 Paired T-Tests. (07)
- Q.7 Balanced diet for child during mixed dentition stage. (07)

* * *

MARAKGAD : SUMMER 2015
SUBJECT : PAPER-IV – AN ESSAY

Day : Monday
Date : 27-04-2015

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

N.B.:

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

Q.1 Write an essay on:

(75)

- a) Accelerated Orthodontics

OR

- b) Lingual orthodontics.

* * *

ortho

MARAKGAD : SUMMER 2015
SUBJECT : PAPER-I – APPLIED ANATOMY, PHYSIOLOGY, PATHOLOGY,
GENETICS, PHYSICAL ANTHROPOLOGY AND DENTAL MATERIALS

Day : **Monday**
Date : **20-04-2015**

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

N.B.:

- 1) All questions are **COMPULSORY**.
- 2) Figures to the **RIGHT** indicate full marks.
- 3) Draw labeled diagrams **WHEREVER** necessary.

Long Essay Questions:

- Q.1 Discuss the physiology of stomatognathic system in relation to malocclusion. (20)
- Q.2 Describe the orthodontic bonding materials and techniques used. (20)

Short Essay Questions:

- Q.3 Evolution of teeth (07)
- Q.4 Role of Analgesics in orthodontics. (07)
- Q.5 In-vivo studies in clinical orthodontic research. (07)
- Q.6 Genetic limitations for orthodontic treatment. (07)
- Q.7 Beta titanium alloy. (07)

* * *

MARAKGAD : WINTER - 2015
SUBJECT : PAPER-II – DIAGNOSIS AND TREATMENT PLANNING

Day : Monday
Date : 02/11/2015

Time : 09.00 AM TO 12.00 NOON
Max. Marks : 75.

N.B.:

- 1) All questions are **COMPULSORY**.
- 2) Figures to the **RIGHT** indicate full marks.
- 3) Draw labeled diagrams **WHEREVER** necessary.

Long Essay Questions:

- Q.1 How will you manage handicapped child in orthodontic practice? (20)
- Q.2 New Dimensions in Orthodontic Imaging and evaluation. (20)

Short Essay Questions:

- Q.3 Bolton's analysis. (07)
- Q.4 Current status of growth prediction. (07)
- Q.5 IOTN Index (07)
- Q.6 Orthodontic treatment planning for Borderline cases. (07)
- Q.7 Natural head position. (07)

* * *

MARAKGAD : SUMMER 2015
SUBJECT : PAPER-II – DIAGNOSIS AND TREATMENT PLANNING

Day : *Wednesday*
Date : *29.04.2015*

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

N.B.:

- 1) All questions are **COMPULSORY**.
 - 2) Figures to the **RIGHT** indicate full marks.
 - 3) Draw labeled diagrams **WHEREVER** necessary.
-

Long Essay Questions:

- Q.1 Write the factors influencing orthodontic tooth movement. What are the biologic (20) considerations that limit the potential of adult orthodontic treatment?
- Q.2 What is 'Pseudo class-III' malocclusion? How will you analyze a lateral (20) cephalogram of 8 year old child with anterior cross bite?

Short Essay Questions:

- Q.3 "2 x 4" appliance. (07)
- Q.4 Role of 'growth spurts' in orthodontic treatment planning. (07)
- Q.5 Etiopathogenesis of developing mandibular asymmetry. (07)
- Q.6 Tongue space analysis. (07)
- Q.7 Envelop of Discrepancies. (07)

* * *

MARAKGAD : WINTER - 2015
SUBJECT : PAPER-III – CLINICAL ORTHODONTICS AND MECHANOTHERAPY

Day : Wednesday
Date : 04/11/2015

Time : 09.00 AM TO 12.00 NOON
Max. Marks : 75.

N.B.:

- 1) All questions are **COMPULSORY**.
- 2) Figures to the **RIGHT** indicate full marks.
- 3) Draw labeled diagrams **WHEREVER** necessary.

Long Essay Questions:

- Q.1 Discuss the space closure mechanics in minimum anchorage requirement with second premolar extraction case in PEA prescription. Write the factors involved in considering the Machanotherapy. (20)
- Q.2 Discuss mini-implants as an anchorage in orthodontics. (20)

Short Essay Questions:

- Q.3 Alpha-Beta Angle. (07)
- Q.4 Management of impacted and maxillary canine. (07)
- Q.5 Invisible retainers. (07)
- Q.6 Hybrid appliances. (07)
- Q.7 Inter-proximal reduction. (07)

* * *

MARAKGAD : SUMMER 2015
SUBJECT : PAPER-III – CLINICAL ORTHODONTICS AND MECHANOTHERAPY

Day : **Friday**
Date : **24.04.2015**

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

N.B.:

- 1) All questions are **COMPULSORY**.
- 2) Figures to the **RIGHT** indicate full marks.
- 3) Draw labeled diagrams **WHEREVER** necessary.

Long Essay Questions:

- Q.1** What is friction? Discuss the role of friction in orthodontics. Write about the self-ligating bracket system. (20)
- Q.2** Discuss the controversies of treatment timings of skeletal Class-II malocclusion in a growing child. (20)

Short Essay Questions:

- Q.3** Splint in TMD. (07)
- Q.4** Principles of treatment in open bite cases. (07)
- Q.5** Surgery first concept. (07)
- Q.6** Biomechanical considerations in the use of micro implants. (07)
- Q.7** Molar distalization. (07)

* * *

MARAKGAD : WINTER - 2015
SUBJECT : PAPER-IV – AN ESSAY

Day : Friday
Date : 06/11/2015

Time : 09.00 AM TO 12.00 NOON
Max. Marks : 75.

N.B.:

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

Q.1 Write an essay on:

(75)

- a)** Orthodontic Treatment Planning.

OR

- b)** Orthodontic Arch wires.

* * *