

# MDS (Orthodontics & Dentofacial Orthopaedics)

**MARAKGAD : WINTER - 2016**  
**SUBJECT : APPLIED ANATOMY, PHYSIOLOGY, PATHOLOGY GENETICS**  
**PHYSICAL ANTHROPOLOGY & DENTAL MATERIALS**  
**(PAPER - I)**

Day : Tuesday  
Date : 15/11/2016

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.

## Long Essay Questions:

Q.1 Which are the conditions caused due to parathyroid hormone deficiencies? [20]  
Discuss how an orthodontist would tackle such conditions.

Q.2 Describe the anatomic structure and movements of the TMJ. Add a note on its development and evolution. [20]

## Short Essay Questions:

- Q.3 Chi-Square Test [07]
- Q.4 Goslon Yardstick [07]
- Q.5 Copper Niti wires [07]
- Q.6 Soft tissue changes in the face from maturity to old age [07]
- Q.7 Chromosomal aberrations [07]

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**MARAKGAD : WINTER - 2016**  
**SUBJECT : DIAGNOSIS & TREATMENT PLANNING**  
**(PAPER - II)**

Day : Thursday  
Date : 17/11/2016

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.

**Long Essay Questions:**

- Q.1** Discuss in detail the soft tissue evaluation in Orthognathic Surgical treatment planning. [20]
- Q.2** Discuss the various orthodontic implications in psychologically and clinically handicapped child. How will you manage such a child in your office? [20]

**Short Essay Questions:**

- Q.3** Various methods of growth prediction [07]
- Q.4** Pitch, Yaw and Roll [07]
- Q.5** Methods of assessing facial asymmetry [07]
- Q.6** Enlow's Counter part Analysis [07]
- Q.7** Use of MRI in Orthodontics [07]

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**MARAKGAD : WINTER - 2016**  
**SUBJECT : DIAGNOSIS & TREATMENT PLANNING**  
**(PAPER - II)**

Day : Thursday  
Date : 17/11/2016

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

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- Q.6** Enlow's Counter part Analysis [07]
- Q.7** Use of MRI in Orthodontics [07]

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**MARAKGAD : WINTER - 2016**  
**SUBJECT : CLINICAL ORTHODONTICS & MECHANOTHERAPY**  
**(PAPER – III)**

Day : Saturday  
Date : 19/11/2016

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.

**Long Essay Questions:**

- Q.1 Discuss VME and its management [20]
- Q.2 Name all the fixed functional appliances and discuss the role of fixed functional appliances in Growth Modification. [20]

**Short Essay Questions:**

- Q.3 Skeletal Anchorage Systems (SAS) [07]
- Q.4 Tandem Mechanics [07]
- Q.5 Treatment of impacted second molars [07]
- Q.6 Nasoalveolar molding [07]
- Q.7 Brader Arch Form [07]

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**MARAKGAD : WINTER - 2016**  
**SUBJECT : CLINICAL ORTHODONTICS & MECHANOTHERAPY**  
**(PAPER - III)**

Day : Saturday  
Date : 19/11/2016

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.

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- Q.1 Discuss VME and its management [20]
- Q.2 Name all the fixed functional appliances and discuss the role of fixed functional appliances in Growth Modification. [20]

**Short Essay Questions:**

- Q.3 Skeletal Anchorage Systems (SAS) [07]
- Q.4 Tandem Mechanics [07]
- Q.5 Treatment of impacted second molars [07]
- Q.6 Nasoalveolar molding [07]
- Q.7 Brader Arch Form [07]

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**MARAKGAD : WINTER - 2016**  
**SUBJECT : ESSAY**  
**(PAPER - IV)**

Day : Monday  
Date : 21/11/2016

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.

**Q.1** Accelerated Orthodontics.

**[75]**

**OR**

**Q.2** Surgery first concept.

**[75]**

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**MARAKGAD : WINTER - 2016**  
**SUBJECT : ESSAY**  
**(PAPER - IV)**

Day : Monday  
Date : 21/11/2016

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.

**Q.1** Accelerated Orthodontics.

**[75]**

**OR**

**Q.2** Surgery first concept.

**[75]**

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