

(20410)

M. D. S. III Year

Roll No.

5347

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ITS Dental College Hospital & Research Centre
47, Knowledge Park-III, Greater Noida

M. D. S. Examination, April 2010

ORTHODONTICS & DENTOFACIAL ORTHOPAEDICS

**Applied Anatomy, Physiology, Pathology, Genetics,
Physical Anthropology & Dental Material**

(MDS- 013)

Time : Three Hours]

[Maximum Marks : 75

Note : Attempt all questions. Draw diagrams wherever necessary.

1. Describe the development of craniofacial complex and discuss the clinical aspect of various craniofacial developmental anomalies. 25
2. Discuss recent advances in genetics related to malocclusion. 25
3. Discuss :
 - (a) Assessment of skeletal age 5
 - (b) Muscles, malformation and malocclusion 5

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- (c) Evolutionary development of jaws 5
- (d) Consideration of bleeding disorders in
Orthodontics 5
- (e) Esthetic brackets 5

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M. D. S. Examination, April 2010

ORTHODONTICS & DENTOFACIAL ORTHOPAEDICS

Paper II

Diagnosis and Treatment Planning

(Code No.- 014)

Time : Three Hours]

[Maximum Marks : 75

Note : Attempt all questions.

1. Describe various new technologies used for diagnosis in modern Orthodontics. 25
2. Discuss diagnosis and Tt plan of the malocclusion having transverse problems in details. 25
3. Write short notes on :
 - (a) Evidence based Orthodontics 5
 - (b) Parent education regarding development of malocclusion 5

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| (c) | Functional occlusion | 5 |
| (d) | Prevalence of malocclusion in India | 5 |
| (e) | Measurement of masticatory efficiency. | 5 |

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ORTHODONTICS & DENTOFACIAL ORTHOPAEDICS

Paper III

Clinical Orthodontics and Mechanotherapy

(Code No.- 015)

Time : Three Hours]

[Maximum Marks : 75

Note : Attempt all questions. Draw diagrams wherever necessary.

1. Describe in detail the methods and mechanics involved in bite opening with fixed mechanotherapy. 25

2. Discuss contemporary myofunctional appliances and their role in modulating the growth of Craniofacial Complex. 25

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3. Write notes on :

- (a) Methods of Molar Distalization 5
- (b) Distraction Osteogenesis 5
- (c) Theories of Relapse 5
- (d) Circumferential Supracrestal Fibrotomy 5
- (e) Classification of Cleft Lip and Palate Anomaly. 5

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M. D. S. Examination, April 2010

Orthodontics & Dentofacial Orthopaedics

Essay

(MDS- 016)

Time : Three Hours]

[Maximum Marks : 75

Note : Attempt any *one* of the following.

1. Borderline cases in Orthodontics and their management.

Or

Controversies in Orthodontics.

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M.D.S. Special Examination, 2010

ORTHODONTICS

**Applied Anatomy, Physiology-Pathology,
Genetics, Physical -Anthropology & Dental**

Materials

(MDS - 013)

Time : Three Hours] [Maximum Marks : 75

Note : Attempt all questions.

1. Discuss different factors affecting physical growth.

Discuss the role of hormones in detail. 25

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2. Enumerate various theories of growth & development.

Discuss the Cybernatic theory in detail. 25

3. Write short notes on :

(a) Glass Ionomer cement. 5

(b) Cervical Vertebrae as physical Maturity indicator.

5

(c) Enlow's "V" Principle. 5

(d) Beta-titanium alloys. 5

(e) Role of genetics in malocclusion. 5

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M.D.S. Special Examination, 2010

ORTHODONTICS & DENTOFACIAL

ORTHOPAEDICS

Paper - II

Diagnosis and Treatment Planning

(MDS - 014)

Time : Three Hours / [Maximum Marks : 75

Note : Attempt all questions.

1. Discuss the principles of combined treatment with emphasis on periodontal / Orthodontic inter-relationship

25

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2. Discuss the interceptive guidance of occlusion with :
emphasis on diagnosis. 25
3. Write short notes on :
- (a) Facial imaging application as diagnostic tool in
orthodontics. 5
 - (b) Apical root resorption. 5
 - (c) CBCT (Cone beam computed tomography) as
a diagnostic tool in orthodontics. 5
 - (d) Esthetics and Psychosocial aspects in
Orthodontic treatment planning. 5
 - (e) Orthodontic tooth movement as related to bone
deformation. 5

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M.D.S. Special Examination, 2010

ORTHODONTICS & DENTOFACIAL

ORTHOPAEDICS

Paper - III

Clinical Orthodontics and Mechanotherapy

(MDS - 015)

Time : Three Hours]

[Maximum Marks : 75

Note : Attempt all questions. Draw diagrams wherever
necessary.

1. Describe biomechanical principal of micro-implant.

20

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2. Discuss age related correction of maxillary transverse deficiency. 20
3. Write short notes on :
 - (a) Torquing in orthodontics 7
 - (b) Self Ligation brackets 7
 - (c) Factors influencing the impact of malocclusion 7
 - (d) Treatment efficiency of prefabricated functional appliances 7
 - (e) Speech therapy applied to orthodontics. 7

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M.D.S. Special Examination, 2010

Orthodontics & Dentofacial

Orthopaedics

Essay

(MDS - 016)

Time : Three Hours]

[Maximum Marks : 75

Note : Attempt any one of the following :

1. Contemporary orthodontic Diagnosis and treatment planning. 75

OR

2. Smile designing in orthodontics.

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