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Paper Code : MDS-101 (Ortho)

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M.D.S. EXAMINATION, 2012
Orthodontics & Dentofacial Orthopedics

Paper – I

**Applied Anatomy, Physiology, Pathology, Genetics. Physical
Anthropology & Dental Materials**

Time : 3 Hours]

[Max. Marks : 75

Note: Attempt all the questions. Draw diagram wherever necessary.

Long Essay

[20×2=40

1. Discuss in detail the development and anatomy of temporomandibular joint (T.M.J).
2. Discuss in detail the "Servo System" theory of facial growth and its importance in Orthodontics.

Short Essay

[7×5=35

3. Stem cells and their significance
4. t-Test
5. Infection control
6. Growth hormone and its Regulation.
7. Prostaglandins and orthodontic tooth movement.

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Printing Page(s) : 1

Paper Code : MDS-102 (Ortho)

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M.D.S. EXAMINATION, 2012
Orthodontics & Dentofacial Orthopedics
Paper – II
Diagnosis and Treatment Planning

Time : 3 Hours]

[Max. Marks : 75

Note: Attempt all the questions. Draw diagram wherever necessary.

Long Essay

[20×2=40

1. Enumerate and briefly outline the indicators and methods of assessing growth onset, peak height velocity and its cessation in clinical practice. Compare and contrast the utility of hand wrist X-Rays Vs cervical vertebrae maturation.
2. Describe the role of airway potency in normal facial growth. Enumerate and outline the common airway obstructive conditions seen in orthodontic diagnosis and their effect on dentofacial morphology.

Short Essay

[7×5=35

3. 7th key to occlusion
4. Ricketts four step analysis
5. Morphometrics
6. Classification of Esthetics and its role in Treatment planning
7. Ideal cases in which CBCT should be taken and discuss utility in those cases of CBCT,

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M.D.S. EXAMINATION, 2012
Orthodontics & Dentofacial Orthopedics
Paper – III
Clinical Orthodontics and Mechanotherapy

Time : 3 Hours]

[Max. Marks : 75

Note: Attempt all the questions. Draw diagram wherever necessary.

Long Essay

[20×2=40

1. Describe the checklist before debonding the appliance.
2. How will you manage unilateral posterior cross bites? Discuss in detail.

Short Essay

[7×5=35

3. Prolonged retention in Orthodontics.
4. Self-legating appliances.
5. Naso alveolar Molding.
6. Ceramic Brackets.
7. Esthetic wires.

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Printing Page(s) : 1

Paper Code : MDS-104 (Ortho)

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M.D.S. EXAMINATION, 2012
Orthodontics & Dentofacial Orthopedics
Paper – IV
Essay

Time : 3 Hours]

[Max. Marks : 75

Note: Write an Essay on the following:

Discuss contemporary orthodontic materials for fixed orthodontics in detail.

OR

Describe the biological basis of orthodontic therapy.
