

MDS[Orthodontics]

BF/2009/05

Applied Anatomy, Physiology, Pathology, genetics physical anthropology & dental material [Paper-I]

Time : 3 Hours

Note : Attempt all questions.

1. Briefly describe evolution, development, anatomy and histological characteristics of TMJ, specially with relevance to orthodontics.

2.
 - a. Prevalence of malocclusion in India as compared to rest of the world.

 - b. Post natal growth of the cranial base and its impact on facial growth.

3.
 - a. Inheritance pattern of Class III malocclusion.

 - b. Describe mechanism of deglutition.

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Diagnosis and Treatment planning [Paper-II]

Time : 3 Hours

Note : Attempt all questions.

1. Discuss in detail the clinical and radiographic diagnosis of low angle cases. Describe the orthodontic treatment mechanics in such cases.

2.
 - a. Discuss methods of calculating space discrepancy during mixed dentition.

 - b. Common classifications for Cleft lip and palate deformities.

3. **Describe in short:**
 - a. Cone beam CT and its application in orthodontics.

 - b. Digital models.

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Clinical orthodontics and Mechanotherapy

[Paper-III]

Time : 3 Hours

Note : Attempt all questions.

1. Discuss management of horizontal dysplasia in Orthodontics.

2.
 - a. Describe Intrusion mechanics.

 - b. Torque in orthodontics.

3. **Describe orthodontic management of Malocclusion by:**
 1. Molar distalization.
 2. Head Gear.
 3. Serial extraction.

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Essay **[Paper-IV]**

Time : 3 Hours

Write an essay on:

1. Controversies in Orthodontics.

OR

2. Anchorage in Orthodontics.
