

# **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.

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