

**QP Code: 403002**

**Reg. No.:** .....

**Final Year BDS (Part I) Degree Examinations July 2019**

**Orthodontics & Dentofacial Orthopaedics**

**Time: 3 Hours**

**Max Marks: 100**

- Answer all questions
- Draw diagrams wherever necessary

**Essays**

**(2x14=28)**

1. Enumerate Andrew's six keys to normal occlusion. Describe in detail the Angle's system of classification of malocclusion. Add a note on its drawbacks  
(3+5+6)
2. Classify the etiology of malocclusion. Describe in detail the local causes of malocclusion. (4+10)

**Short essays**

**(4x8=32)**

3. What are the uses of cephalograms in orthodontics. Explain Steiner's analysis. (4+4)
4. Optimum orthodontic force and hyalinization during tooth movement. (4+4)
5. Classify myofunctional appliances. Explain the mode of action and construction bite for an activator. (4+4)
6. Enumerate theories of craniofacial growth. Add a note on Scott's cartilaginous theory. (4+4)

**Short notes**

**(10x4=40)**

7. Early and late mesial shift.
8. Effects of thumb sucking.
9. Moyer's mixed dentition analysis.
10. Trans palatal arch
11. Finger spring.
12. Butler's field theory.
13. Stainless steel.
14. Steps in bonding orthodontic attachments.
15. Enumerate factors affecting growth.
16. Synchronoses in the cranial base.

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