

**QP Code: 403002**

Reg.No.: .....

Final Year BDS (Part I) Degree Supplementary Examinations – January 2017

**Orthodontics & Dentofacial Orthopaedics****Time: 3 Hours****Max Marks: 100**

- Answer all questions
- Draw diagrams wherever necessary

**Essays****(2x14=28)**

1. Enumerate the various types of orthodontic tooth movements. Mention the difference between controlled and uncontrolled tipping. Explain the tissue response to heavy forces.  
(4+4+6=14)
2. What are the indications for space gaining in orthodontics. Mention the various methods of gaining space. Explain the role of extraction as a method of gaining space in orthodontics.  
(3+5+6=14)

**Short essays****(4x8=32)**

3. What are transient mal occlusions. Add a note on ugly duckling stage (4+4=8)
4. Classify functional appliances. How is the trimming of an activator done (4+4=8)
5. Cephalic and facial index (4+4=8)
6. What are the ideal requirements of orthodontic study models. Explain Ashley Howes analysis. (4+4=8)

**Short notes****(10x4=40)**

7. Branches of orthodontics
8. Enumerate the factors affecting growth
9. Wolfe's law
10. Cephalocaudal gradient of growth
11. Jackson's triad
12. Butler's field theory
13. Leeway space
14. Andrews six keys of occlusion
15. Adams clasp
16. Components of removable appliance

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