

**QP Code: 104002**

Reg.No.: .....

First Year BDS Supplementary Degree Examinations - February 2013

**Dental Anatomy, Embryology and Oral Histology****Time: 3 Hours****Max Marks: 100**

- Answer all questions
- Draw diagrams wherever necessary

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

1. Enumerate the stages in development of tooth and describe the advanced bell stage in detail with a neat diagram (4+7+3=14)
2. Describe the differences between deciduous and permanent dentition in detail. Add a note on the importance of primary dentition. List the sequence of eruption for primary and permanent dentition. (6+5+3=14)

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

3. Explain the zones of pulp with a neat diagram and add a note on age changes (5+3=8)
4. Explain the cells of periodontal ligament and add a note on age changes (5+3=8)
5. Enumerate the different tooth numbering systems with a note on its importance (6+2=8)
6. Describe the composition and functions of saliva. (3+5=8)

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

7. Inter globular dentin
8. Cusp of carabelli
9. Non keratinized epithelium
10. Keys of occlusion
11. Taste buds
12. Enamel lamella and enamel spindles
13. Maxillary sinus
14. Differences between serous and mucous acini
15. Cemento enamel junction
16. Groove patterns in occlusal surface of mandibular second premolar

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