

**QP Code: 104002**

Reg.No.: .....

First Year BDS Degree Examinations - August 2014

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

- Answer all questions
- Draw diagrams wherever necessary

**Essay****(2x14=28)**

1. List the morphological and histological differences between deciduous & permanent teeth.  
Add a note on sequence of eruption of deciduous teeth. (5+5+4=14)
2. Define eruption. Enumerate and describe theories of teeth eruption. Add a note on clinical considerations related to eruption of teeth. (2+8+4=14)

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

3. Enumerate and discuss the differences between cellular and acellular cementum with the help of diagrams (2+4+2=8).
4. Enumerate the stages in tooth development. Describe histology of tooth germ in advanced bell stage with the help of a diagram (2+4+2=8).
5. Describe the occlusal morphology of permanent mandibular first molar with help of diagram (6+2=8)
6. Enumerate and discuss the theories of mineralization. (2+6=8)

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

7. Von Ebner's glands
8. Inter globular dentin
9. Odland bodies
10. Age changes of enamel
11. Plexus of Raschkow
12. Accessory canals
13. Ridges
14. Nerve supply of tongue
15. Spillway spaces
16. Maxillary molar primary cusp triangle.

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