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QP Code: 104002 **Reg.No.: .....**

First Year BDS Degree Supplementary Examinations July 2018

Dental Anatomy, Embryology and Oral Histology

(2010 SCHEME)

Time: 3 Hours **Max Marks: 100**

- Answer all questions
- Draw diagrams wherever necessary

Essays **(2x14=28)**

1. Enumerate the stages in the life cycle of amelogenesis. Explain in detail amelogenesis (4+10)
2. Describe the functional anatomy of maxillary first premolar. Add a note on the chronology of development of maxillary and mandibular first and second pre molars (8+6)

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

3. Describe the papillae on tongue
4. Differentiate between acellular extrinsic fiber cementum and cellular intrinsic fiber cementum (4+4)
5. Discuss the various ridges on tooth surface
6. Enumerate the major salivary glands and its main excretory duct. Describe the histology of parotid gland. (3+5)

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

7. Sclerotic dentin
8. Over jet and over bite
9. Functions of alveolar bone
10. Mention two similarities & two differences between maxillary and mandibular incisors.
11. Pulp stones
12. Sharpeys fibers
13. Cap stage
14. Bone remodeling theory
15. Boundaries of maxillary sinus
16. Hydrodynamic theory of dentin sensitivity

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