

**First Year BDS Degree Supplementary Examinations August 2017****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. Classify oral mucosa and enumerate its function. Describe masticatory mucosa with the help of a neat diagram. (3+4+7=14)
2. Enumerate the histological and morphological differences between primary and permanent dentition. Add a note on eruption sequence of both dentitions. (5+5+4=14)

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

3. Discuss theories of pain sensation in dentin and add a note on inter globular dentin (6+2=8)
4. Mention the derivatives of first pharyngeal arch and add a note on development of mandible. (2+6=8)
5. Discuss the function of saliva and add a note on its composition (5+3=8)
6. Enumerate the functions of pulp and add a note on defense cells of pulp. (3+5 = 8)

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

7. Define a ridge. Enumerate the various ridges and its presence.
8. Enamel proteins.
9. Mention four differences between permanent maxillary and mandibular canines
10. Histology of maxillary sinus
11. Name the stages of tooth development and add a note on bud stage.
12. Haematoxylin and eosin staining
13. Compensating curves
14. Mucous acini
15. HERS – Hertwigs epithelial root sheath
16. Tomes granular layer.

