

**FIRST YEAR B.D.S. DEGREE EXAM**  
(Common to Second Year Paper I - Modified Regulation III Candidates)

**PAPER III – DENTAL ANATOMY, EMBRYOLOGY AND  
ORAL HISTOLOGY**

*Q.P Code: 544203*

**Time: 180 Minutes**

**Maximum: 70 Marks**

**Answer all questions in the same order**  
**Draw suitable diagrams wherever necessary**

**I. Elaborate on:** **(2 x 10 = 20)**

1. Describe in detail about types of Dentin with Histology. Add note on age changes in Dentin.
2. Discuss in detail the chronology and morphology of Permanent right Maxillary first premolar.

**II. Write Notes on:** **(10 x 5 = 50)**

1. Role of neural crest in orofacial development.
2. Incremental lines of Enamel, Dentine and Cementum.
3. Keratinization.
4. Functions of pulp.
5. Nerve supply of Tongue.
6. Dead tracts.
7. Difference between cellular and acellular cementum.
8. Gingival ligament.
9. Taste Pathway.
10. Decalcification.

\*\*\*\*\*