

August 2010

[KX 703]

Sub. Code: 4170

**FIRST B.D.S DEGREE EXAMINATION**

(Regulations for the candidates admitted from 2008-09 onwards)

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

*Q.P. Code: 544170*

**Time: Three hours**

**Maximum: 70 Marks**

**Answer ALL Questions**

**I. Essays:**

**2 x 15 = 30 Marks**

1. Describe the bell stage of tooth development with the help of diagrams and add a note on root development.
2. Define and classify oral mucosa. Describe the macroscopic and microscopic structure of gingiva.

**II. Short notes on:**

**6 x 5 = 30 Marks**

1. Age changes in dentin.
2. Ligament traction theory.
3. Ductal system of major salivary glands.
4. Differences between maxillary 1<sup>st</sup> premolar and mandibular 1<sup>st</sup> premolar tooth.
5. Epithelial mesenchymal interaction in tooth development.
6. Dentogingival junction.

**III. Short answer questions:**

**5 x 2 = 10 Marks**

1. pH of saliva.
2. Epithelial attachment.
3. Fibroblasts.
4. Structure of a taste bud.
5. Key of occlusion.

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