

**QP Code: 104002**

Reg.No.: .....

First Year BDS Degree Examinations - August 2016

**Dental Anatomy, Embryology and Oral Histology**

**Time: 3 Hours**

**Max Marks: 100**

- Answer all questions
- Draw diagrams wherever necessary

**Essays**

**(2x14=28)**

1. Describe in detail the morphology of permanent maxillary first molar. Add a note on its chronology. Enumerate the differences between the permanent maxillary first molar and permanent mandibular first molar. (8+2+4=14)
2. Define odontogenesis. Enumerate the various stages of odontogenesis. Discuss advanced bell stage of tooth development with the help of a neat diagram. (1+3+8+2=14)

**Short essays**

**(4x8=32)**

3. Define maxillary sinus and explain about its histology and functions. (2+3+3=8)
4. Clinical features and histology of gingiva. (4+4=8)
5. Define mastication and discuss muscles of mastication. (2+6=8)
6. Describe briefly the structure of dento-gingival junction with the help of a neat diagram. Add a note on stages in shift of dentogingival junction. (5+3=8)

**Short notes**

**(10x4=40)**

7. Composition of saliva.
8. Differences between cellular and acellular cementum.
9. Differences between maxillary first premolar and maxillary second premolar.
10. Development of tongue.
11. Cemento-enamel junctions.
12. Structure of myoepithelial cell.
13. Leeway space of nance.
14. Age changes of dentin.
15. Theories of dentin hypersensitivity.
16. Curve of spee and curve of Wilson.

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