



Time: 3 Hrs.

[Max. Marks : 70]

**HUMAN ORAL ANATOMY & PHYSIOLOGY  
INCLUDING EMBRYOLOGY & HISTOLOGY (Old Scheme)**

**QP Code: 1108**

Your answers should be specific to the questions asked.  
Draw neat labeled diagrams wherever necessary.

**LONG ESSAY**

**2 X 10 = 20 Marks**

1. Classify salivary glands. Discuss in detail the histology of submandibular salivary gland. Add a note on ductal systems in major salivary glands.
2. Describe the morphological differences between maxillary first premolar and second premolar. Add a note on their chronology.

**SHORT ESSAY**

**6 X 5 = 30 Marks**

3. Early bell stage of tooth development
4. Ultrastructure of enamel
5. Histology of pulp
6. Macroscopic difference between deciduous and permanent teeth
7. Histology of gingiva
8. Dentinogenesis

**SHORT ANSWERS**

**10 X 2 = 20 Marks**

9. Age changes in enamel
10. Oblique ridge
11. Cusp of Carabelli
12. Fixative and fixation
13. Enumerate the muscles of mastication.
14. Key of occlusion
15. Non-keratinocytes
16. Cell rests of Malassez
17. Demilunes
18. Natal and neonatal teeth

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