



Time: 3 Hrs.

[Max. Marks: 70]

**HUMAN ORAL AND DENTAL ANATOMY, EMBRYOLOGY, PHYSIOLOGY & HISTOLOGY**

**(RS-3)**

**QP Code: 1181**

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

**LONG ESSAY**

**2 X 10 = 20 Marks**

1. Enumerate the zones of dental pulp. Describe the histology of dental pulp. Add a note on the blood vessels of pulp.
2. Describe the buccal, palatal, mesial, distal and occlusal aspects of maxillary first premolar. Add a note on its chronology.

**SHORT ESSAY**

**8 X 5 = 40 Marks**

3. Organizing and formative stages in the life cycle of ameloblasts
4. Interglobular dentin
5. Types of cementum
6. Internal reconstruction of bone
7. Myoepithelial cells
8. Matrix vesicle theory of mineralization
9. Decalcification of tissue specimen
10. Development of face

**SHORT ANSWERS**

**5 X 2 = 10 Marks**

11. Perikymata
12. Dead tracts
13. Submerged tooth
14. Compensatory curves of dental arch
15. Dental formula

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