

Time: Three Hours

Max. Marks: 70 Marks

**Human Oral & Dental Anatomy, Embryology,  
Physiology & Histology****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. Describe the fibers of periodontal ligament and write about the synthetic and resorptive cells of periodontal ligament.
2. Describe in detail morphology of permanent mandibular first molar.

**SHORT ESSAY****8 X 5 = 40 Marks**

3. Write in brief about non-keratinocytes.
4. Discuss layers in keratinized epithelium.
5. Transient structures of tooth development.
6. Write in brief about lingual aspect of permanent mandibular canine.
7. Describe types of cements-enamel junction.
8. Discuss the age changes of pulp.
9. Write in brief histology of temporomandibular joint.
10. Discuss theories of dentin hypersensitivity.

**SHORT ANSWERS****5 X 2 = 10 Marks**

11. Write in brief about Resting and Reversal lines.
12. Enumerate the functions of maxillary sinus.
13. Draw well labelled diagram of enamel lamellae and tufts.
14. Write in brief about "Curve of Spee".
15. Define Cingulum and fossa.

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