



Time: 3 Hours

Max. Marks: 70 Marks

**HUMAN ORAL AND DENTAL ANATOMY, EMBRYOLOGY,
PHYSIOLOGY AND 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. Classify salivary glands. Write in detail the ductal system.
2. Describe in detail the morphology of mandibular 1st premolar. Add a note on its chronology.

SHORT ESSAY

8 X 5 = 40 Marks

3. Dead tracts and sclerotic dentine.
4. Age changes in Enamel.
5. Principle fibers of periodontal ligament.
6. Theories mineralization.
7. Functions and histology of maxillary sinus.
8. Histo-physiological stages of tooth development.
9. Development of tongue.
10. Dento-gingival junction.

SHORT ANSWERS

5 X 2 = 10 Marks

11. Non-Keratinocytes.
12. Hyaline layer of Hopewell Smith.
13. Enamel spindle.
14. Meckel's cartilage.
15. Cingulum.

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