

Time: Three 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 Oral Mucosa. Describe the histology of keratinised mucosa. Draw neat labelled diagrams of tongue papillae.
2. Describe the morphology of permanent maxillary first molar.

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

3. Histologic differences between enamel of deciduous and permanent teeth.
4. Describe histology of maxillary sinus.
5. Write in brief about structure of serous acini.
6. Describe the origin and insertion of muscles of mastication.
7. Write in brief about Tooth numbering systems.
8. Describe principal fibers of periodontal ligament.
9. Discuss the morphology and functions of osteoclasts.
10. Discuss theories of tooth eruption.

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

11. Draw a well labelled diagram of histology of mixed salivary gland.
12. Eruption sequence of permanent teeth.
13. Discuss Hertwig's epithelial root sheath.
14. Discuss Hypercementosis.
15. Define cusp and ridge.
