



MANIPAL UNIVERSITY

FIRST BDS DEGREE EXAMINATION - AUGUST 2017
SUBJECT: DENTAL ANATOMY, EMBRYOLOGY AND ORAL HISTOLOGY
Saturday, August 05, 2017

Marks: 60

Time: 14.15 – 17.00 Hrs

✍ Answer ALL the questions.

- 1) Describe in detail the morphology of permanent maxillary first premolar. Add a note on its chronology. (10)
(8+2 = 10 marks)

- 2) Classify Salivary Glands. Describe in detail the histology of Submandibular salivary gland. (10)
(2+8 = 10 marks)

- 3) Write Short notes on:
 - 3A) Dentinal tubules (4)
 - 3B) Age changes of pulp (4)
 - 3C) Differentiate between cellular and acellular cementum (4)
 - 3D) Jaw reflexes in mastication (4)
 - 3E) Development of palate (4)
 - 3F) Theories of tooth eruption (4)
 - 3G) Labial and palatal aspects of permanent maxillary central incisors (4)
 - 3H) Occlusal surface of permanent maxillary first molar (4)
 - 3I) Dentogingival junction (4)
 - 3J) Tooth numbering systems (4)