

MANIPAL UNIVERSITY**FIRST BDS DEGREE EXAMINATION – JUNE 2014****SUBJECT: DENTAL ANATOMY, EMBRYOLOGY AND ORAL HISTOLOGY (ESSAY)**

Monday, June 16, 2014

Time: 14:15 – 17:00 Hrs.

Maximum Marks: 60

✍ **Answer ALL the questions.**

✍ **Draw diagrams wherever necessary.**

✍ **Essay Questions:**

1. Describe in detail the morphology of mandibular second premolar. Add a note on its chronology.

(8+2 = 10 marks)

2. Enumerate and describe the various hypocalcified structures in enamel.

(10 marks)

3. Write short notes on:

3A. Salivary ductal system

3B. Formative phase of ameloblasts

3C. Reciprocal induction

3D. Melanocyte

3E. Role of Parathormone in calcium and phosphorus metabolism

3F. Age changes in dentin

3G. Cemento-enamel junction

3H. Occlusal aspect of permanent maxillary first molar

3I. Line angles and point angles

3J. Differences between labial aspect of maxillary and mandibular canine

(4 marks × 10 = 40 marks)