

MANIPAL UNIVERSITY**FIRST BDS DEGREE EXAMINATION – JULY 2015****SUBJECT: DENTAL ANATOMY, EMBRYOLOGY AND ORAL HISTOLOGY (ESSAY)**

Friday, July 24, 2015

Time: 14:15 – 17:00 Hrs.

Maximum Marks: 60

- ✍ **Answer ALL the questions.**
✍ **Draw diagrams wherever necessary.**

1. Essay question:

1A. Enumerate the morphologic stages in the development of tooth. Describe the early bell stage of tooth development. Add a note on the transitory structures seen during tooth development.
(2+5+3 = 10 marks)

1B. Write in detail the buccal, lingual, mesial, distal and occlusal morphology of permanent maxillary first molar.
(2+2+2+1+3 = 10 marks)

2. Short notes:

- 2A. Junctional epithelium
- 2B. Microscopic features of mucous acini
- 2C. Cell rich zone of pulp
- 2D. Principal fibers of periodontal ligament
- 2E. Dead tracts and sclerotic dentin
- 2F. Occlusal aspect of mandibular second premolar
- 2G. Articular disk
- 2H. Differences in the crowns of permanent and deciduous teeth
- 2I. Labial aspect of permanent maxillary canine
- 2J. Oral phase of deglutition

(4 marks × 10 = 40 marks)

