



MANIPAL ACADEMY OF HIGHER EDUCATION

FIRST BDS DEGREE EXAMINATION - JANUARY 2018

SUBJECT: DENTAL ANATOMY, EMBRYOLOGY AND ORAL HISTOLOGY

Friday, January 19, 2018 (14.15 - 17.00 Hrs.)

Answer ALL the questions.

Draw diagrams wherever necessary.

Marks: 60

Duration: 165 mins.

Essay questions.

1. Describe the cells in the periodontal ligament. Add a note on the principal fibers of periodontal ligament. (10)
(7+3 = 10 marks)
2. Write in detail the labial, lingual, mesial, distal and incisal morphology of Permanent maxillary central Incisor. Give an account on its chronology. (10)
(2+2+2+1+2+1 = 10 marks)
3. **Short notes.**
 - 3A) Formative phase in the life cycle of an ameloblast. (4)
 - 3B) Age changes in mandible. (4)
 - 3C) Eruptive phase of tooth eruption. (4)
 - 3D) Odontoclasts (4)
 - 3E) Dentogingival junction. (4)
 - 3F) Modification of saliva in the ductal system of salivary glands. (4)
 - 3G) Infantile swallowing. (4)
 - 3H) Ridges and grooves seen on teeth. (4)
 - 3I) Eight morphological differences between the deciduous and Permanent teeth. (4)
 - 3J) Tooth numbering systems. (4)

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