

Question Paper

Exam Date & Time: 03-Aug-2024 (02:15 PM - 05:00 PM)



MANIPAL ACADEMY OF HIGHER EDUCATION
FIRST BDS DEGREE EXAMINATION - JULY/AUGUST 2024
SUBJECT: DENTAL ANATOMY, EMBRYOLOGY AND ORAL HISTOLOGY
(REGULAR BATCH)

Marks: 60

Duration: 165 mins.

Answer ALL questions.

Draw diagrams wherever necessary

1. What are the Morphological stages of tooth development? Describe the transitory structures formed during tooth. Describe in detail the histological changes in the cap stage of tooth development. Add a note on clinical relevance on deviation of normal tooth development
(2+2+4+2 = 10 marks)
2. Describe the morphological features labial, lingual, mesial, distal and occlusal aspects of the Permanent Mandibular First premolar. Add a note on the chronology of the tooth.
(8+2 = 10 marks)

Answer all the questions.

3) **Write short notes on:**

- 3A) List the various hypocalcified structure of enamel (4)
- 3B) Enumerate the various functions of periodontal ligament (4)
- 3C) Describe the histology of serous acini (4)
- 3D) Describe Infantile swallowing (4)
- 3E) Langerhan's cell (4)
- 3F) Enumerate the functions of maxillary sinus (4)
- 3G) Describe in detail histology of primary dentin (4)
- 3H) Define Ridges and grooves with examples (4)
- 3I) Describe the labial aspect of the Permanent Maxillary Canine (4)
- 3J) A 14 years old patient complained of pain concerning 46. On examination brownish discoloration was observed on the occlusal aspect. Which system of dental notation applied, in this case, which is the tooth and various grooves, fossa which would have been affected on the occlusal aspect (4)

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