

Question Paper

Exam Date & Time: 06-Dec-2019 (02:15 PM - 05:00 PM)



MANIPAL ACADEMY OF HIGHER EDUCATION

FIRST BDS DEGREE EXAMINATION - DECEMBER 2019

SUBJECT: DENTAL ANATOMY, EMBRYOLOGY AND ORAL HISTOLOGY

Friday, December 06, 2019 (14:00 - 17:00)

Marks: 60 Duration: 165 mins.

Answer all the questions.

Draw diagrams wherever necessary

- 1.) Classify salivary glands. Write in detail the histological features of a serous acini and Mucous acini. Add a note on the process of formation of fluid component of saliva. (2+6+2 = 10 marks)
- 2.) Describe the labial, lingual, mesial, distal and incisal aspects of the Permanent maxillary Canine. Mention the features that differentiate it from the Mandibular Canine. (3+2+1+1+1+2 = 10 marks)
3. **Short Notes**
 - 3A) Cap stage of tooth development (4)
 - 3B) Ultrastructure of an enamel rod (4)
 - 3C) Non keratinocytes and their function (4)
 - 3D) Enumerate the age changes of the pulp (4)
 - 3E) The different types of Cementum (4)
 - 3F) A 7 year old girl observed that her deciduous maxillary right lateral incisor was shaking. Explain the process that is taking place in that tooth. (4)
 - 3G) Differentiating features between the Permanent Maxillary Central Incisor and the Maxillary Lateral Incisor. (4)
 - 3H) Buccal aspect of the Permanent Maxillary first Molar. (4)
 - 3I) The different ridges, grooves and fossa of the Permanent maxillary first molar. (4)
 - 3J) Matrix vesicle theory of calcification. (4)

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