

# Question Paper

Exam Date & Time: 15-Oct-2021 (02:15 PM - 05:00 PM)



## MANIPAL ACADEMY OF HIGHER EDUCATION

FIRST BDS DEGREE EXAMINATION - OCTOBER 2021  
SUBJECT: DENTAL ANATOMY, EMBRYOLOGY AND ORAL HISTOLOGY

Marks: 60

Duration: 165 mins.

Answer all the questions.

Essays:

- 1A) Classify oral mucosa. (2)
- 1B) Describe in detail light microscopic and ultramicroscopic features of Gingiva. (6)
- 1C) A 65 year old male, a known patient of coronary artery disease experienced chest pain (angina). He immediately placed a tablet prescribed by his cardiologist, under his tongue to get relief. Explain the characteristic of oral mucosa that supports this mode of delivery of medication. (2)
- 2A) Describe the morphology of permanent maxillary canine. (8)
- 2B) Describe the functional and esthetic contributions of the permanent maxillary canine. (2)

3. Write short notes on:

- 3A) Enamel lamellae and tufts. (4)
- 3B) Age changes of pulp. (4)
- 3C) Mesial aspect of maxillary first premolar. (4)
- 3D) Histology of serous acini. (4)
- 3E) Tooth numbering system. (4)
- 3F) Factors affecting calcium phosphate metabolism. (4)
- 3G) Cells of periodontal ligament. (4)
- 3H) Advanced bell Stage. (4)
- 3I) Histological differences between deciduous and permanent teeth. (4)
- 3J) A 12-year boy noted that his milk tooth did not exfoliate. He also noted the absence of the permanent successor. Describe the condition. Name the other clinical considerations associated with shedding. (4)

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