

29/04/23

Printing Page(s) : 1 Paper Code : BDS-103

(B) (SVSU:2022-23/R)

Enrolment No.

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BDS
1st YEAR EXAMINATION
DENTAL ANATOMY, EMBRYOLOGY & ORAL HISTOLOGY

Time : 3 Hours]

[Max. Marks : 70]

Note: Attempt all the parts. Draw proper diagrams to support your answer, wherever necessary.

SECTION-A**(35 marks)**

1. Describe the morphological features of permanent mandibular first molar from all aspects. Draw well-labelled diagram. **(10)**
2. Write short notes on: **(5X3)**
 - a) Compensatory curves
 - b) Occlusal aspect of maxillary first premolar
 - c) Differences between maxillary and mandibular canine.
3. Describe in brief: **(5X2)**
 - a) Define occlusion
 - b) Cusp of Carrabelli
 - c) Palmer tooth numbering system
 - d) Line angles
 - e) Oblique ridge

SECTION-B**(35 marks)**

4. Describe the histology of serous and mucous acini of salivary glands. Add a note on the functions of saliva. **(10)**
5. Write short notes on: **(5x3=15)**
 - a) Functions of Periodontal ligament
 - b) Hypocalcified structures of enamel
 - c) Theories of mineralization
6. Write briefly: **(5X2)**
 - a) Cellular cementum
 - b) Dead tracts
 - c) Advanced bell stage
 - d) Neural crest cells and its significance
 - e) Filiform papillae

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SECTION-A**(35 marks)**

1. Describe the geometric forms of teeth and their significance in detail. **(10)**
2. Write short notes on: **(5X3)**
 - a) Occlusal aspect of permanent mandibular first molar
 - b) Line angles and point angles.
 - c) Spillways
3. Describe in brief: **(5X2)**
 - a) Mamelons
 - b) Triangular fossa
 - c) Lingual surface of maxillary canine
 - d) Overjet
 - e) Curve of Wilson

SECTION-B**(35 marks)**

4. Describe the life cycle of an ameloblast. Add a note on the age changes in enamel. **(10)**
5. Write short notes on: **(5x3=15)**
 - a) Theories of dentin sensitivity
 - b) Non-keratinocytes
 - c) Role of parathormone in calcium metabolism
6. Write briefly: **(5X2)**
 - a) Myoepithelial cells
 - b) Hertwig's epithelial root sheath
 - c) Infantile swallowing
 - d) Lamina dura
 - e) Cementoenamel junctions
