



DCC-21260

Seat No. _____

First Year B. D. S. Examination

July - 2022

Dental Anatomy, Embryology and Oral Histology

Time : **3 Hours**]

[Total Marks : **70**

- Instructions :** (1) Write each section in separate answer book.
(2) Draw figure wherever necessary.
(3) Figures on right indicate marks.
(4) Attend all the questions.

SECTION - I

- 1** Describe in detail about Morphological stages of Tooth Development. **10**

OR

Define Periodontal Ligament. Describe fibers of the Periodontal Ligament.

- 2** Write short notes on : (Any **Two**) **10**
(a) Hypomineralized structures of Enamel.
(b) Dentinogenesis.
(c) Age changes of Pulp.

- 3** Write short notes on : (Any **five**) **10**
(a) Cemento - Enamel Junction.
(b) Specialized mucosa
(c) Functions of Saliva
(d) Define eruption and Shedding.
(e) Root formation.
(f) Dentin sensitivity.

- 4** Answer in one sentence only : (Any **Five**) **5**
(a) What are Goblet cells?
(b) Name of excretory duct of Submandibular Gland.

- (c) Enumerate Papillae of Tongue.
- (d) What is hyaline layer?
- (e) What is zone of weil?
- (f) What is Sharpey's Fiber?

SECTION II

- 5** Write short notes on : (Any **Two**) **10**
- (a) Parts of Tooth.
 - (b) Difference between Permanent Maxillary Central Incisor and Lateral Incisor.
 - (c) Describe Permanent Mandibular Canine.
- 6** Write short notes on : (Any **Two**) **10**
- (a) Occlusal Aspect of Maxillary First Premolar.
 - (b) Occlusal Aspect of Permanent Mandibular First Molar.
 - (c) Difference between Permanent and Primary dentition.
- 7** Write short notes on : (Any **five**) **10**
- (a) Define Oblique and Marginal ridge.
 - (b) Eruption age of all Premolars.
 - (c) Dental Formula for Primary and Permanent Dentition.
 - (d) Fossae.
 - (e) Define Mesial Marginal Developmental Groove and Lingual Developmental Groove.
 - (f) Functions of Tooth
- 8** Answer in one sentence only : (Any **Five**) **5**
- (a) Name the nonfunctional cusp of Permanent Maxillary First Molar.
 - (b) Mandibular First Premolar Develops from how many lobes?
 - (c) Smallest tooth in Permanent Dentition.
 - (d) What is Palato-radicular Groove ?
 - (e) What is Mamelons?
 - (f) What is Cingulum?