



**JBX-21260**

Seat No. \_\_\_\_\_

**First Year B. D. S. Examination**

**January - 2020**

**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 Define dentin write in detail about histology of dentin. **10**
- OR**
- 1 Classify oral mucosa. Write in detail about masticatory mucosa. **10**
- 2 Write short notes on : (Any Two) **10**
- (a) Histophysiological stages of tooth development.
  - (b) Physical & Chemical property of Enamel.
  - (c) Functions of pulp.
- 3 Write short notes on : (Any Two) **10**
- (a) Cellular & Acellular cementum
  - (b) Alveolar Bone
  - (c) Myoepithelial cell
- 4 Answer in one sentence only : (Any Five) **5**
- (a) What is Gubernacular canal ?
  - (b) What is Submerged tooth?
  - (c) Which cells shows Birbeck's Granules ?
  - (d) What is natal teeth?
  - (e) Which cells shows Zymogen granules ?
  - (f) Which papilla of tongue doesn't containing Taste buds?

**SECTION - II**

**5** Write in detail about Permanent Mandibular Right First Molar. **10**

**OR**

**5** Write in detail about Permanent left Maxillary Canine. **10**

**6** Write short notes on : (Any Two) **10**

(a) Difference between Permanent Maxillary Central Incisor and Lateral Incisor.

(b) Parts of a tooth.

(c) Types of dentition and dental formulae.

**7** Write short notes on : (Any Two) **10**

(a) Differences between mandibular 1<sup>st</sup> & 2<sup>nd</sup> Premolar.

(b) Occlusal surface of maxillary first premolar.

(c) Difference between primary and permanent teeth.

**8** Answer in one sentence only : (Any Five) **5**

(a) What is curve of spee ?

(b) What is cusp of carabelli ?

(c) What is developmental groove ?

(d) Which tooth has longest crown ?

(e) Name the tooth numbering systems.

(f) What is tubercle ?

---