

**VINAYAKA MISSION'S RESEARCH FOUNDATION, SALEM
(Deemed to be University)**

**BDS DEGREE EXAMINATION – August 2019
First Year**

DENTAL ANATOMY, EMBRYOLOGY AND ORAL HISTOLOGY

SECTION A

Time: Twenty Minutes

Maximum: 20 marks

Register Number :

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Signature of the candidate

Signature of the Invigilator

Instructions to the candidates

- 1. Write your Register Number and sign at the place specified on the first page of this Question Booklet.**
- 2. Do not open this question booklet until Invigilator announces the commencement of the examination.**
- 3. Answer ALL the Twenty questions. They carry equal marks. No negative marking for wrong answers.**
- 4. Answers should be marked legibly in the SHEET provided in capital letters.**
- 5. THE QUESTION BOOKLET SHOULD NOT BE TAKEN OUT OF THE EXAMINATION HALL.**
- 6. Questions should not be copied and taken out of the Examination Hall. Any one found violating this rule shall not be permitted to write the examination and shall be sent out of the Hall.**
- 7. At the end of 20 minutes, when the Invigilator announces 'STOP WRITING' you must stop writing immediately. If the candidate tries to attempt to answer the questions after the prescribed time, their answer script becomes invalid.**
- 8. Hand over the questions booklet containing answer sheet to the invigilator when you finish answering or immediately after 20 minutes.**

DENTAL ANATOMY, EMBRYOLOGY AND ORAL HISTOLOGY

SECTION-A (20X1=20 MARKS)

(Multiple choice questions)

Time: Twenty Minutes

Maximum: 20 marks

Select the most appropriate answer and answer in the answer sheet attached:

1. Which of the following is the hardest substance of the human body
 - A. Cementum
 - B. Bone
 - C. Enamel
 - D. Sclerotic dentine

2. Von Ebner glands are called as
 - A. Mixed glands
 - B. Serous glands
 - C. Mucous glands
 - D. Adrenal gland

3. The derivatives of dental papilla are
 - A. Alveolar bone
 - B. Cementum and periodontal ligament
 - C. Dental sac
 - D. Dentine and pulp

4. Incremental lines of dentine are called
 - A. Lines of salter
 - B. Lines of tomes
 - C. Lines of Von Ebner
 - D. Lines of Retzius

5. Fronto Nasal process is responsible for the formation of the following teeth
 - A. Maxillary anterior teeth
 - B. Maxillary central incisors
 - C. Maxillary canines alone
 - D. Maxillary central and lateral incisors.

(p.t.o.)

6. Maxillary central incisor is formed by how many lobes
- A. 4 Lobes
 - B. 3 Lobes
 - C. 5 Lobes
 - D. 2 Lobes
7. What is mesenchyme?
- A. Adult connective tissue
 - B. Derived from ectoderm
 - C. Embryonic connective tissue
 - D. Derived from endoderm.
8. Pre dentin is
- A. Calcified dentin
 - B. Uncalcified dentin
 - C. Mantle dentin
 - D. Circum pulpal dentin
9. Which of the following are not included in the functions of pulp
- A. Protective
 - B. Nutritive
 - C. Defensive
 - D. Desmolytic
10. Epithelial cell rests of Malassez in periodontal ligament is found
- A. Close to the cementum
 - B. Closer to the alveolar bone
 - C. Near to the root apex
 - D. Near to the cemento enamel junction.
11. The unit of bone is called as
- A. Osteoid
 - B. Cementoid
 - C. Osteon
 - D. Haversian canal
12. Intermediate filaments are characteristics of
- A. Muscle cell
 - B. Nerve cell
 - C. Connective tissue
 - D. Epithelium

(p.t.o.)
(Sl.No. M21504)

13. The following salivary gland cells are seen of “grape” like clusters in the light microscope
 - A. Serous cell
 - B. Mixed cell
 - C. Mucous cell
 - D. Myo epithelial cell
14. Cusp of carabelli is a part of
 - A. Maxillary permanent second molar
 - B. Maxillary permanent first molar
 - C. Mandibular permanent first molar
 - D. Mandibular permanent second molar
15. Which teeth is called as the cornea stones of the dental arch
 - A. Incisors
 - B. Premolars
 - C. Canines
 - D. Molars
16. Which is the muscle of mastication referred of fan shaped
 - A. Medial pterigoid muscle
 - B. Temporalis muscle
 - C. Lateral pterigoid muscle
 - D. Buccinator muscle
17. Which enzyme is important for hard tissue formation
 - A. Adenosine mono phosphatase
 - B. Acid phosphatase
 - C. Adenosine tri phosphatase
 - D. Alkaline phosphatase
18. Which cell is a resorptive cell in shedding
 - A. Cementoclast
 - B. Osteo clast
 - C. Osteo blast
 - D. Cemento blast
19. Maxillary sinus is lined by which epithelium
 - A. Stratified squamous epithelium
 - B. Pseudo stratified epithelium
 - C. Pseudo stratified ciliated columnar epithelium
 - D. Simple epithelium
20. The water content of saliva is
 - A. Below 99%
 - B. 99% of more
 - C. 68%
 - D. 82% of loss

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**BDS DEGREE EXAMINATION – AUGUST 2019
First Year**

DENTAL ANATOMY, EMBRYOLOGY AND ORAL HISTOLOGY

Time : Three hours

Maximum : 70 marks

Answer ALL Questions

Answer Section A in the Answer Sheet attached to it 20 marks – 20 minutes to be handed over to the invigilator immediately after 20 minutes

Answer Section B & C in the same answer book

Time : 2 hours 40 minutes

SECTION – B & C

Maximum : 50 marks

SECTION – B

I. Write an Essay on :

(1 x 10 = 10)

1. Describe in detailed about permanent maxillary right first molar with neat diagrams.

II. Write short notes on :

(3 x 5 = 15)

2. Embrasures
3. Differences in between primary teeth and permanent teeth
4. 2nd stage of deglutition.

SECTION – C

III. Write an Essay on :

(1 x 10 = 10)

5. Write in detailed about the macroscopic and microscopic structures of Gingiva.

IV. Write short notes on :

(3 x 5 = 15)

6. Defense cells of pulp
7. Mechanism of shedding
8. Bell stage.
