

Sl.No. M22006

Course Code : 161321T04

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

**BDS DEGREE EXAMINATION – February 2020
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. Primary epithelial band divides into an inner (lingual) process called.
 - A. Dental lamina
 - B. Vestibular lamina
 - C. Dental sac
 - D. Dental papilla

2. Odontoblastic processes pass across the dentinoenamel junction into the enamel are called.
 - A. Enamel spindle
 - B. Enamel lamellae
 - C. Enamel tufts
 - D. Enamel cuticle

3. The main body of the dentin is composed of.
 - A. Predentin
 - B. Mantle dentin
 - C. Intertubular dentin
 - D. Peritubular dentin

4. The masticatory mucosa is keratinized and is made up of hard palate and _____
 - A. Soft palate
 - B. Gingiva
 - C. Alveolar mucosa
 - D. Floor of the mouth

5. Among the minor salivary gland which is purely mucous gland?
 - A. Labial glands
 - B. Glossopalatine glands
 - C. Buccal glands
 - D. Von Ebner's glands

(p.t.o.)

6. Crown shape is determined in
 - A. Dental lamina
 - B. Bud stage
 - C. Cap stage
 - D. Bell stage

7. Average size of apical foramen to adult (Maxillary teeth) is
 - A. 0.4 m.m
 - B. 4m.m
 - C. 0.1 m.m
 - D. 1 m.m

8. Cementum overlaps the cervical end of enamel for
 - A. 30%
 - B. 10%
 - C. 60%
 - D. 100%

9. The following bone mass is arranged in layers.
 - A. Compact bone
 - B. Cancellous bone
 - C. Woven bone
 - D. Cartilage

10. The sweet taste is perceived best in the following part of the tongue
 - A. Tip
 - B. Lateral border
 - C. Posterior border
 - D. Postero lateral area

11. Irregular depression or concavity is called
 - A. Ridge
 - B. Tubercle
 - C. Fossa
 - D. Groove

12. Cusp of Carabelli is seen in
 - A. Canine
 - B. Lateral incisor
 - C. Maxillary 1st premolar
 - D. Maxillary 1st molar

-- (3) --

13. The mandibular nerve leaves the skull through
 - A. Foramen ovale
 - B. Foramen magnum
 - C. Foramen rotrandrum
 - D. Mental foramen
14. The occlusal aspect of primary mandibular second molar is somewhat
 - A. Square
 - B. Rectangular
 - C. Triangular
 - D. Elliptical
15. Usually mandibular 1st permanent molar is having
 - A. Two cusps
 - B. Three cusps
 - C. Four cusps
 - D. Five cusps
16. Below the cingulam a shallow concavity is present in the anterior teeth are called
 - A. Labial fossa
 - B. Lingual fossa
 - C. Mesial fossa
 - D. Distal fossa
17. 'Lingula' gives attachment to
 - A. Temporo mandibular ligament
 - B. Stylo mandibular ligament
 - C. Spheno mandibular ligament
 - D. Masseter muscle
18. Nerve supplies to the jaws and teeth derived from
 - A. Fifth cranial nerve
 - B. Seventh cranial nerve
 - C. Nineth cranial nerve
 - D. Tenth cranial nerve
19. The insertion of temporalis muscle is
 - A. Temporal fossa
 - B. Choroid process
 - C. Condylar process
 - D. Chin
20. The permanent mandibular second molar consists of _____ cusps
 - A. Two
 - B. Three
 - C. Four
 - D. Five

(Sl.No. M22006)

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**BDS DEGREE EXAMINATION – February 2020
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
SECTION – B**

Maximum : 50 marks

I. Write an Essay on :

(1 x 10 = 10)

1. Describe the development of tooth. Add a note on Hertwig epithelial root sheath.

II. Write short notes on :

(3 x 5 = 15)

2. Enamel lamellae.
3. Theories of pain transmission through dentin
4. Principle fibers of periodontal ligament.

SECTION – C

III. Write an Essay on :

(1 x 10 = 10)

5. Describe the morphology of mandibular first permanent molar.

IV. Write short notes on :

(3 x 5 = 15)

6. Labial aspect of permanent maxillary lateral incisor.
7. Ridges.
8. Taste pathway.