

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

**BDS DEGREE EXAMINATION – November 2020
Fourth Year**

PERIODONTOLOGY

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.**

PERIODONTOLOGY
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 cells synthesize collagen?
 - A. Fibroblasts
 - B. Osteoblasts
 - C. Chondroblasts
 - D. Odontoblasts

2. What is the average distance between the cement-enamel junction and the crest of the alveolar bone in a healthy young adult?
 - A. 1.08 mm
 - B. 1.8 mm
 - C. 2 mm
 - D. 2.08 mm

3. What is a micro organism which grows in the absence of oxygen called?
 - A. Aerobe
 - B. Anaerobe
 - C. Proteolytic
 - D. Saccharolytic

4. Which of the following is not true about Merckel's cells?
 - A. Connected to adjacent cells via desmosomes
 - B. Harbor nerve endings
 - C. Produce melanin pigmentation
 - D. Tactile receptors

5. Which of the following plaque is primarily responsible for the initiation and development of gingivitis?
 - A. Marginal plaque
 - B. Sub gingival plaque
 - C. Supra gingival plaque
 - D. Tooth associated plaque

(p.t.o.)

6. What is alveolar bone proper identified as in radiographs?
 - A. Alveolar crest
 - B. Bundle bone
 - C. Cribriform plate
 - D. Lamina dura

7. What is the proportion of persons in a population who have disease of interest at a given point in or period of time termed?
 - A. Endemic
 - B. Epidemic
 - C. Incidence
 - D. Prevalence

8. Which of the following are systemic risk factors for periodontal diseases?
 - A. Diabetes mellitus and leukemia
 - B. Stress
 - C. All of the above
 - D. None of the above

9. In which part of the gingiva are the characteristic punched-out, crater like lesions of ANUG commonly seen?
 - A. Attached gingiva
 - B. Free gingiva
 - C. Interdental papilla
 - D. Marginal gingiva

10. Which organism increases in pregnancy gingivitis?
 - A. Eichenella corrodens
 - B. Porphyromonas gingivalis
 - C. Porphyromonas melanogenicus
 - D. Prevotella intermedia

11. Nutritional deficiencies
 - A. Can cause gingivitis or periodontitis
 - B. Alter the physiology of the periodontium
 - C. Can influence or aggravate the severity of periodontal disease
 - D. Have minimal or no effect on the periodontium

12. What is the abnormal accumulation of leukemic cells in dermal and subcutaneous connective tissue called?
 - A. Leukemia cutis
 - B. Leukemic pigmentation
 - C. Leukemic patches
 - D. Leukemic appearance

(p.t.o.)
(Sl.No. M23104)

13. What is the pathological migration in the occlusal or incisal direction termed?
- A. Extrusion
 - B. Intrusion
 - C. Supra eruption
 - D. Mesial drift
14. What is the radius of action of plaque in causing bone destruction?
- A. 1.5 – 2.5 mm
 - B. 1 – 3 mm
 - C. 1 – 2 mm
 - D. 2.5 – 3.5 mm
15. Hoe scalers:
- A. The blade is bent at 99 – degree angle
 - B. Cutting edge is beveled at 45 degrees
 - C. Used with a two point contact
 - D. Used for removal of ledge or rings of calculus
16. A 6 mm pocket is measured in which the junctional epithelium lies apical to the cement-enamel junction. How it is correctly described?
- A. Pseudo pocket
 - B. Relative pocket
 - C. Suprabony pocket
 - D. True pocket
17. When is hemisection most commonly likely performed?
- A. Mandibular molars-Class II or Class III furcation involvement
 - B. Mandibular molars-Class IV furcation involvement
 - C. Maxillary molars-Class II or Class III furcation involvement
 - D. Maxillary molars-Class IV furcation involvement
18. What is the flap where no vertical incisions are made called?
- A. Envelope flap
 - B. Modified widman flap
 - C. Widman flap
 - D. Apically displaced flap
19. Which of the following is most appropriate for cleaning the Type I embrasure?
- A. Dental floss
 - B. Gauze
 - C. Interdental brush
 - D. Toothpicks
20. Inflammatory changes, involving the soft tissue and bone surrounding an implant, are diagnosed as
- A. Peri-implant mucositis
 - B. Peri-implantitis
 - C. Peri-implant gingivitis
 - D. Peri-implant periodontitis

**VINAYAKA MISSION'S RESEARCH FOUNDATION, SALEM.
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**BDS DEGREE EXAMINATION – February 2020
Fourth Year**

PERIODONTOLOGY

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. Discuss principal fibers of periodontal ligament with diagram. Add a note on the functions of periodontal ligament.

II. Write short notes on :

(3 x 5 = 15)

2. Specific and Non-specific plaque hypothesis
3. Drug-induced gingival enlargement
4. Define and classify trauma from occlusion

SECTION – C

III. Write an Essay on :

(1 x 10 = 10)

5. Define and classify gingival recession. Discuss the management of Miller's Class II gingival recession.

IV. Write short notes on :

(3 x 5 = 15)

6. Peri-implantitis
7. Finger rests
8. Supportive periodontal therapy