

Sl.No. M21035

Course Code : 161324T03

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

**BDS DEGREE EXAMINATION –September 2021
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. The principal cells of the periodontal ligament are the
 - A. Neutrophils
 - B. Fibroblasts
 - C. Osteoblasts
 - D. Ameloblasts
2. Which of the following is the depth of clinically healthy gingival sulcus?
 - A. 3-4 mm
 - B. 1-2 mm
 - C. 2-3 mm
 - D. 2-4 mm
3. What are the microorganisms that although anaerobes survive and grow in the presence of oxygen called?
 - A. Aerobic
 - B. Capnophilic
 - C. Facultative anaerobes
 - D. Saccharolytic
4. Melanocytes, Langerhan's cells, Merkel's cells and Lymphocytes are _____ present in oral epithelium.
 - A. Keratinocytes
 - B. Non - Keratinocytes
 - C. Clear cells
 - D. Inflammatory Cells
5. Which type of sub gingival plaque is the most detrimental to the periodontal tissues?
 - A. Epithelial – attached plaque
 - B. Tooth – attached plaque
 - C. Unattached plaque
 - D. All of the above
6. Which pattern of bone loss results in an uneven defects, without overall reduction in the height of the alveolar bone?
 - A. Horizontal bone loss
 - B. Vertical bone loss
 - C. All of the above
 - D. None of the above
7. The probable course and outcome of a disease can be forecasted as
 - A. Diagnosis
 - B. Prognosis
 - C. Differential diagnosis
 - D. Etiology
8. Which of the following does not form a part of occlusal analysis in periodontal diagnosis?
 - A. Excessive overbite
 - B. Cross bite
 - C. Open bite
 - D. Tension test
9. Which of the following is not a clinical feature of ANUG?
 - A. Foul breath
 - B. Lymphadenopathy and fever
 - C. Necrotic Punched out Interdental papilla and sudden onset gingival bleeding Pain Rapid Progression
 - D. Periodontal pocket

10. Which of the following bacterial species are referred to as black – pigmented anaerobes?
 - A. Porphyromonas spp
 - B. Prevotella spp
 - C. Tannerella spp
 - D. All of the above
11. Where does pericoronitis most commonly occur?
 - A. Mandibular third molar area
 - B. Maxillary third molar area
 - C. Mandibular first molar area
 - D. Maxillary first premolar area
12. Which of the following is a disease in which microorganism colonize the damaged endocardium or heart valves?
 - A. Angina pectoris
 - B. Congestive heart failure
 - C. Infective endocarditis
 - D. Myocardial infarction
13. What is the tooth displacement that results when the balance among the factors that maintain physiologic tooth position is disturbed by periodontal disease?
 - A. Pathological migration
 - B. Mesial drifting
 - C. Distal drifting
 - D. None of the above
14. Angular defects and buttressing bone formations is seen in _____.
 - A. Trauma from occlusion
 - B. Food impaction
 - C. Aggressive periodontitis
 - D. Furcation involvement
15. Which of the following instrument is used with a push stroke?
 - A. Chisel scalers
 - B. Gracey curettes
 - C. Hoe Scalers
 - D. Sickle scaler
16. A 5mm pocket is measured on the distobuccal site of canine in which the junctional epithelium lies coronal to the cement – enamel junction. How is it properly described?
 - A. True pocket
 - B. Pseudo pocket
 - C. Infrabony pocket
 - D. Intrabony pocket
17. Which of the following procedure is not used in treatment of Class I furcation involvement?
 - A. Scaling
 - B. Root planing
 - C. Odontoplasty
 - D. Osseous grafting
18. Which of the following flap procedures mandate sharp dissection?
 - A. Full thickness flap
 - B. Partial thickness flap
 - C. Conventional flap
 - D. Nondisplaced flap
19. What are the terms used to describe periodontal Phase I Therapy?
 - A. Cause related therapy
 - B. Hygienic phase
 - C. Initial therapy
 - D. Nonsurgical therapy
20. Which of the following is not a subtractive process that is used to modify the surface of implants?
 - A. Acid etching
 - B. Calcium phosphate coating
 - C. Sandblasting
 - D. Turning

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**BDS DEGREE EXAMINATION – September 2021
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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

Maximum : 50 marks

SECTION – B

I. Write an Essay on :

(1 x 10 = 10)

1. Define Plaque. Discuss in detail the formation of plaque and add a note on the role of plaque as a biofilm.

II. Write short notes on :

(3 x 5 = 15)

2. Discuss the bidirectional relationship between periodontal disease and diabetes mellitus.
3. Periodontal manifestations of HIV infection.
- 4 Oral hygiene index-simplified.(OHI-S)

SECTION – C

III. Write an Essay on :

(1 x 10 = 10)

5. Discuss the different patterns of bone destruction in periodontal disease.

IV. Write short notes on :

(3 x 5 = 15)

6. Free gingival graft technique.
7. Classify furcation involvements. Discuss the management of Grade II furcation involvement.
8. Discuss Autografts in periodontal regeneration.
