

第一大題 1-10，單選，每一小題2分，請將答案填寫於答案卷第一頁【選擇題作答區】內

1. In a healthy mandibular first molar, which type of cementum will be found mostly over furcation area?
 - (A). Acellular afibrillar
 - (B). Acellular extrinsic fiber
 - (C). Cellular mixed stratified
 - (D). Cellular intrinsic fiber

2. Which of the following structure is the specified source of junctional epithelium?
 - (A). Reduced enamel epithelium
 - (B). Oral gingival epithelium
 - (C). Epithelial cell rests of Malassez
 - (D). Hertwig's epithelial root sheath

3. The salivary MMP-8 (matrix metalloproteinase-8) level is correlated with chronic periodontitis, which of the following antibiotics may inhibit MMP-8?
 - (A). Amoxicillin
 - (B). Tetracycline
 - (C). Metronidazole
 - (D). Ciprofloxacin

4. Which periodontal bacteria will secrete various virulent factors such as proteases, a collagenase, and a hemolysin?
 - (A). *A. actinomycetemcomitans*
 - (B). *T. forsythia*
 - (C). *P. gingivalis*
 - (D). *T. denticola*

5. Among oral flora, which of the following will be regarded as a true periodontal pathogen?
 - (A). *T. forsythia*
 - (B). *C. rectus*
 - (C). *F. nucleatum*
 - (D). *P. intermedia*

6. Which kind of the inflammatory cells is dominated in the soft tissue of advanced periodontitis lesion?
 - (A). neutrophils.
 - (B). macrophages
 - (C). plasma cells..
 - (D). Lymphocytes

7. If you examine a periodontitis tooth with probe, where will the tip of probe usually stop at?

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- (A). Alveolar crest.
- (B). Connective tissue.
- (C). Apical portion of the junctional epithelium.
- (D). Coronal portion of the junctional epithelium.

8. Which of the following factor may most likely influence the probing depth in periodontally involved sites?

- (A). age of the patient.
- (B). thickness of the gingiva.
- (C). location of the probing site.
- (D). disease severity

9. R. C. Bower (1979) studied the furcation entrance diameter of the permanent molars and found what percent of all furcation sites were less than 0.75mm (the width of commonly used periodontal cures)?

- (A). 18%
- (B). 38%
- (C). 58%
- (D). 78%

10. Which of the following sign or symptom is NOT commonly seen in patients with chronic periodontitis?

- (A). Papillary enlargement
- (B). Bone destruction.
- (C). Gingival bleeding.
- (D). Severe pain

第二大題 問答題：

11. Describe the role of buccal keratinized gingiva to the maintenance care of periodontal condition. (20%)

12. Why there will radiographic crestal bone loss be noticed around the implant, and how to prevent it? (20%)

13. How to choose an interdental cleaning aid, and describe the correct technique to use it. (20%)

14. Please describe the key factors which need be considered in determining the prognosis of a periodontal diseased tooth, and give your definitions about fair, questionable and hopeless prognosis. (20 %)

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