

第一大題 1-20，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. Xenografts for periodontal surgery use are defined as from:
 - A. human donors.
 - B. animals.
 - C. synthetic source.
 - D. intraoral donor site.

2. Which of the following tissue is **not** involved in periodontal regeneration
 - A. new bone.
 - B. new cementum.
 - C. long junctional epithelium.
 - D. a previously diseased root surface

3. Which of the following is **not** the indication of osseous resective surgery:
 - A. shallow interdental craters.
 - B. deep intrabony defects.
 - C. thickened osseous margins.
 - D. irregular marginal bone levels.

4. Which furcation on the maxillary first molar is usually **closest** to the cementum-enamel junction?
 - A. Mesial
 - B. Facial
 - C. Distal
 - D. Palatal

5. Which tooth type has the **lowest** successful rate after periodontal therapy ?
 - A. Mandibular molars
 - B. Mandibular incisors
 - C. Maxillary molars
 - D. Mandibular premolars

6. Which symptom was the most significant risk factor for loss of teeth with a poor prognosis
 - A. tooth mobility
 - B. the presence of single-rooted teeth
 - C. initial probing depth
 - D. the presence of bleeding on probing

見背面

7. You may suspect the presence of trauma from occlusion when you found:
- A. Narrowed periodontal ligament space
 - B. Horizontal bone loss
 - C. Decreased tooth mobility
 - D. Angular bone loss
8. A site with marginal tissue recession beyond the mucogingival junction but without interproximal attachment loss would be classified as a Miller Class _____ defect.
- A. I
 - B. II
 - C. III
 - D. IV
9. Which of the following is **not** the features of aggressive periodontitis ?
- A. rapid attachment loss.
 - B. familial aggregation.
 - C. poor antibody response to microorganisms.
 - D. non-contributory medical history.
10. Which are the predominant cells presented in GCF of gingival inflammation?
- A. Lymphocytes
 - B. Monocytes
 - C. Neutrophils
 - D. Fibroblasts
11. Which cell type is a major producer of IL-1 β in inflammatory gingival tissue?
- A. PMNs
 - B. Macrophages
 - C. Keratinocytes
 - D. Plasma cells
12. Where is the favored sites for drug-induced gingival enlargement?
- A. palatal surfaces of anterior teeth.
 - B. labial surfaces of anterior teeth.
 - C. lingual surfaces of posterior teeth.
 - D. buccal surfaces of posterior teeth.
13. Which of the following phenomena may **not** be found in the cementum of periodontally diseased root surfaces?
- A. endotoxin adherence.
 - B. increased mineralization.
 - C. decreased mineralization.
 - D. increased cross-linking collagen.

14. According to Socransky (2005) microorganisms classification, which group would be the last to colonize on tooth surface during the development of gingival inflammation?

- A. Purple
- B. Green
- C. Yellow
- D. Orange

15. Which is a motile periodontal pathogen?

- A. *T. denticola*
- B. *P. intermedia*
- C. *T. forsythia*
- D. *P. gingivalis*

16. How much is the average dimension of the combination of epithelial and connective attachment to the root surface?

- A. 1.07 mm
- B. 2.04 mm
- C. 3.42 mm
- D. 4.12 mm

17. Which pathogen has the virulence factors including proteases, collagenase, and hemolysin?

- A. *A. actinomycetemcomitans*
- B. *T. forsythia*
- C. *P. gingivalis*
- D. *T. denticola*

18. What is the major immunoglobulin found in GCF?

- A. IgA
- B. IgE
- C. IgG
- D. IgM

19. What organism has leukotoxin that plays a significant role in the pathogenesis of periodontal disease?

- A. *A. actinomycetemcomitans*
- B. *T. forsythia*
- C. *P. gingivalis*
- D. *T. denticola*

20. When examine the tooth with gingival inflammation, the probe tip usually penetrates to
- A. Apical portion of the junctional epithelium.
 - B. Coronal portion of the junctional epithelium.
 - C. Alveolar crest.
 - D. Connective tissue.

第二大題 問答題:

1. In what situation will you give systemic antibiotics to patient during the phase I therapy ? (10%) What kind of antibiotics will you give first? and why? (10%)
2. Please list side effects of the following drugs (20%)
- (1) Alendronate (Fosamax®)
 - (2) Aspirin (Bokey)
 - (3) Warfarin (Coumadin®)
 - (4) Amlodipine besylate (norvasc®)
3. 請舉出兩例全身性的疾病，該疾病會受牙周感染的影響(5%)，並說明其關聯性(15%)。