

\*CORRECTED\*

Restorative Dentistry I

Progress Exam #3

12/2/10

Directions: Print your name and TUID on the answer sheet and blacken the appropriate letters/numbers. Under test code, print the numbers "11" and blacken "11". Sign the back of the answer sheet. You may keep the exam pages. Assume Universal notation. Choose the single best answer for each question. Exam Time: One Hour

1. Which of the following teeth may have a pulp chamber that is triangular in outline in horizontal cross section, at the CEJ?

- A ☒ a. 8      b. 22      c. 3      d. 11      e. 12

2. Which of the following is the location of the fourth canal in a permanent first molar?

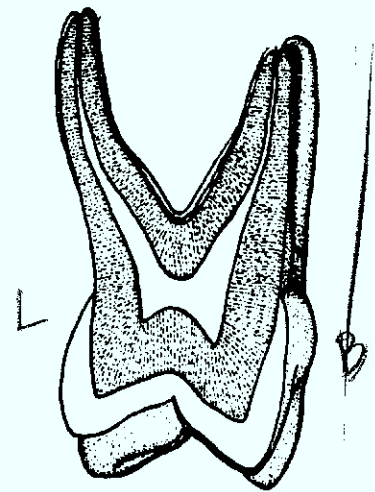
- C ☒ a. in the palatal root  
☐ b. in the DB root  
☒ c. in the MB root  
☐ d. in the distal furcation

3. Which of the following teeth is the first deciduous tooth to erupt?

- A ☒ a. mandibular central incisor  
☐ b. mandibular first molar  
☐ c. maxillary central incisor  
☐ d. maxillary first molar

4. Which of the following is true of the picture?

- E ☒ a. it is mesial view of a buccolingual section of tooth #14  
☐ b. it is a palatal view of a mesiodistal section of tooth #3  
☐ c. it is a buccal view of a mesiodistal section of tooth #15  
☐ d. it is a distal view of a buccolingual section of tooth #14  
☒ e. it is a distal view of a buccolingual section of tooth #3



5. Which of the following is not a set trait of the primary dentition?

- B ☐ a. primary teeth have relatively longer roots compared to their crowns  
☒ b. the layers of enamel and dentin of primary teeth are thicker than on secondary teeth  
☐ c. primary teeth are less mineralized than secondary teeth  
☐ d. primary teeth have relatively longer roots compared to their crowns  
☐ e. primary teeth have marked constriction at their cervix

6. Which of the following is the name of a dark spot on a permanent tooth caused by an abscess due to infection of the pulp of a primary tooth?

- B ☒ a. talon tooth  
☒ b. Turner's spot  
☐ c. Hutchinson's tooth  
☐ d. pitted enamel  
☐ e. abfracted tooth

7. Which of the following teeth is seen in the picture as viewed from the occlusal?

- C ☐ a. 2      b. 3      ☒ c. 14      d. 18      e. S



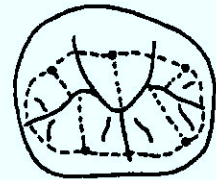
AB	C	DE	FG	H	I	J	K
T	S	R	Q	P	O	N	M

8. Which of the following is not a succadaneoous tooth?

- a. 10      b. 25      c. 29      d. 19      e. 8

9. Which of the following primary teeth is seen in the picture?

- a. A      b. T      c. H      d. J      e. S



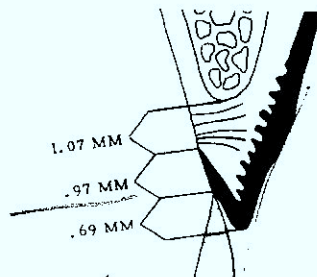
10. Which of the following roots is seen at mid-root, in horizontal section, as viewed from the oclusal?

- a. palatal of 3  
b. 22  
c. mesial of 19  
d. MB of 2  
e. DB of 14



11. Which of the following is the biologic width, as defined by Ingber et al.(AO10:62;77)?

- a. 1.07 mm  
b. 0.97 mm  
c. 0.69 mm  
d. 2.04mm  
e. 2.73 mm



12. Which of the following is the only incisor tooth that is wider mesiodistally than long incisocervically?

- a. E      b. D      c. 8      d. 10      e. P

13. Which of the following is the emergence profile of the buccal and lingual surfaces of permanent maxillary crowns?

- a. 0.5mm      b. .75mm      c. 1.0 mm      d. 2.0 mm      e. 2.5 mm

14. Which of the following permanent teeth has its furcation closest to the cervical line of the tooth?

- a. 12      b. 3      c. 13      d. 2      e. 16

15. Which of the following periodontal ligament fibers run perpendicular from the alveolar bone to the cementum?

- a. alveolar crest fibers  
b. horizontal fibers  
c. oblique fibers  
d. apical fibers  
e. transseptal fibers

16. Which of the following primary teeth may appear somewhat like a maxillary premolar from the oclusal view?

- a. A      b. B      c. S      d. T

17. Which of the following is not a characteristic of contacting permanent, posterior teeth that contributes to a healthy, interproximal, cervical embrasure space?

- a. the contact of the teeth should be sufficiently tight so as to prevent food impaction
- b. adjacent cementoenamel junctions should be of equal height
- c. adjacent marginal ridges should be the same height
- d. adjacent proximal surfaces should be convex below (i.e. gingival to) the contact area, with emergence profile of 0.5 mm, and mirror images of each other
- e. adjacent line angles should be symmetrically positioned

D

L margin = 1 mm

18. Which of the following permanent teeth is the most stable single rooted teeth, based on root area alone?

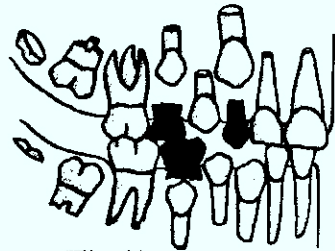
- a. maxillary canine
- b. mandibular first premolar
- c. mandibular central incisor
- d. mandibular second premolar
- e. maxillary central incisor

A

19. Which of the following is the best estimate of age for the dentition shown in the picture?

- a. 6 yrs
- b. 8 yrs
- c. 10 yrs
- d. 12 yrs

C



9-12

20. Which of the following stages of tooth development is implicated in partial anodontia?

- a. initiation stage
- b. bud stage
- c. cap stage
- d. maturaton stage
- e. apposition stage

A

21. Which of the following is true of a permanent anterior tooth that appears doubled, and if the double tooth is counted as one tooth, the total number of teeth will reflect the normal number of anterior teeth in that arch?

- a. the tooth is geminated
- b. the tooth is fused

A

22. Which of the following is a form of dentin dysplasia?

- a. fluorosis
- b. ankylosis
- c. focal hypomaturation
- d. pearl in the furcation of a maxillary molar
- e. tetracycline staining

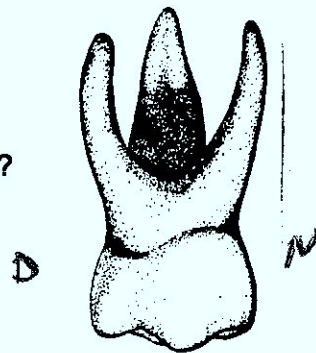
E

23. Which of the following is a term for the loss of tooth structure due to chemical means? a. abrasion

- B**
- ☒ b. erosion
  - c. attrition
  - d. bruxism
  - e. abfraction

24. Which of the following teeth is seen in the picture?

- B**
- a. A
  - ☒ b. B
  - c. K
  - d. J
  - e. S



25. Which of the following primary cusps has a mesial cusp ridge longer than its distal cusp ridge?

- E**
- a. MF cusp of A
  - b. ML cusp of L
  - c. cusp of M
  - d. MB cusp of K
  - ☒ e. cusp of C

26. Which of the following primary teeth has a prominent transverse ridge from MB to ML cusp, with wider occlusal table distal to the ridge than mesial to the ridge?

- a. A
- b. B
- c. C
- d. D

Any answer correct, answer should be L or S

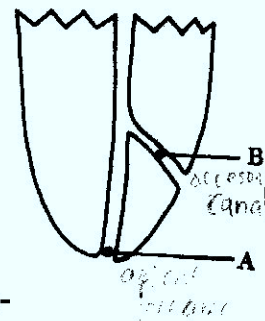
27. Which of the following is estimated to be the age of a child with the following teeth: all primary maxillary incisors, canines and molars; secondary mandibular incisors and first molars?

- B**
- a. 2-4 yrs.
  - b. 5-7 years
  - ☒ c. 8-9 yrs
  - d. 10-11 yrs
  - e. over 12 yrs

28. Which of the following is the best estimate of the total time of the mixed dentition period? a. 2 yrs. b. 4 yrs ☒ c. 6 yrs d. 8 yrs e. 10 yrs

29. Which of the following is true of the picture of a permanent tooth?

- E**
- a. it is a Type III canal configuration
  - b. A represents a pulp horn
  - c. B represents the apical foramen
  - d. A represents the floor of the pulp chamber
  - ☒ e. B represents an accessory canal



30. Which of the following is true of chlorhexidine according to Tredwin et al. ("Drug-induced Disorders of Teeth". J Dent Res 84: 596-602; 2005)?

- A**
- a. it may cause drug related extrinsic tooth discoloration
  - ☒ b. it may cause drug related intrinsic tooth discoloration
  - c. it may cause drug related decreased salivary secretion
  - d. it may cause drug related tooth erosion
  - e. it may cause drug related alteration in tooth sensitivity