

Recommended References:

Dental Decks, Mosby's Review for the NBDE, Experience

The objective of this test is to assess your recall of assigned questions for familiarization. TSP members are advised to cross reference your exam answers in this test with the sources mentioned for your more effective review.

For those whose scores are below 75, please do not hesitate to request for a consult or message me thru skype (thestudyplaceonline.com) or facebook (garret.robles.ddm@thestudyplaceonline.com. Revision lectures may be arranged.

MULTIPLE CHOICE. Choose the one alternative that best completes the statement or answers the question.

- 1) Which of the following is the correct prognosis in vertical root fractures (Class V)? 1) _____
A) Good B) Excellent C) Fair D) Poor

- 2) Lateral canals in anterior teeth are most commonly found in the: 2) _____
A) Cervical line B) Middle third of the root
C) Apical third of the root D) Cervical third of the root

- 3) Yesterday you did a pulpotomy on an emergency patient with pain on tooth #30 caused by irreversible inflammation of a vital pulp. Today the patient has called with moderate-severe pain. You should: 3) _____
A) Have the patient return and perform complete pulpectomy
B) Prescribe antibiotics
C) Prescribe antibiotics and analgesics
D) Have patient return, open the tooth, and leave it open
E) Inform the patient it will probably go away

- 4) When a patient fails to demonstrate adequate oral hygiene during initial therapy, the best course of action is: 4) _____
A) Conservative osseous surgery
B) To continue providing oral hygiene instruction and root planing
C) To perform curettage only
D) To limit therapy to gingivectomy

- 5) EDTA, which is the active ingredient in RC Prep, has its principal action the: 5) _____
A) Lubrication of the canal during instrumentation
B) Decalcification of dentin
C) Dissolution of necrotic debris
D) All of the above are correct

- 6) The prognosis for a tooth with apical resorption is: 6) _____
A) Good if the apex can be sealed
B) Poor
C) Contingent upon systemic antibiotic therapy combined with treatment of the canal
D) Dependent upon periapical surgery
- 7) Root canal therapy is contraindicated for those patients unable to pay for the therapy because root canal therapy and restoration are usually more expensive than extraction and a fixed replacement: 7) _____
A) Both the statement and the reason are correct and are related
B) Both the statement and the reason are correct but are not related
C) The statement is correct but the reason is incorrect
D) The statement is incorrect but the reason is correct
E) Both the statement and the reason are incorrect
- 8) The access preparation for a maxillary central incisor most resembles: 8) _____
A) An oval
B) A triangle
C) A rhomboid
D) A circle
E) None of the above are correct
- 9) The anatomical form of the roots of teeth is determined by: 9) _____
A) Hertwig's epithelial sheath B) Epithelial attachment
C) Periodontal ligament D) Dental lamina
- 10) All of the following statements regarding ethylene diamine tetra-acetic acid (EDTA) are true except: 10) _____
A) It is also an excellent irrigation solution
B) It can decalcify up to a 50 μ m thin layer of the root canal wall
C) RC-Prep and EDTAC are other preparations of EDTA
D) Normally it is used in a concentration of 17%
E) The decalcifying process induced by EDTA is self-limiting
F) It is a chelating agent with the capability to removed the mineralized portion of the smear layer

- 11) A seven year old boy arrives at the office with a complaint of sinus discharge from an earlier traumatized permanent maxillary central incisor. Vitality tests are negative. The required treatment would be: 11) _____
- A) Periodontal surgery to remove sinus
 - B) Root canal treatment
 - C) Extraction
 - D) Apexogenesis / pulpotomy
 - E) It is only necessary to give the child analgesics and antibiotics for pain and infection
 - F) None of the above
- 12) During the maturation phase of incisional-wound healing: 12) _____
- A) Collagen, mucopolysaccharide, and glycoproteins are synthesized
 - B) Fibroblasts and epithelial cells are mobilized
 - C) Tensile strength increases
 - D) None of the above are correct
- 13) Which of the following presents the most difficulty in performing a thorough scaling and root planing on? 13) _____
- A) Distal surfaces of mandibular molars
 - B) Trifurcations of maxillary molars
 - C) Proximal surfaces of mandibular incisors
 - D) Mesial surfaces of maxillary premolars
- 14) The number 15 imprinted on the handle of a file indicates that: 14) _____
- A) The length from the working tip to the file handle is 15 mm
 - B) The working tip is 0.15 mm in diameter (D1 measurement)
 - C) The increase in diameter from D1 to D2 is 0.15 mm
 - D) The length from D1 to D2 is 15 mm
- 15) All of the following statements regarding inflammatory resorption of teeth are true except: 15) _____
- A) The usual radiographic presentation of intentional resorption is a fairly uniform enlargement of the root canal space
 - B) The teeth with internal resorption have a history of trauma, crown preparation or pulpotomy
 - C) The pulp plays no role in cervical root resorption
 - D) External resorption is always accompanied by resorption of the bone
 - E) "Pink" tooth is considered to be pathognomonic of replacement resorption
 - F) Cervical root resorption does not occur exclusively at the cervical area of the root

- 16) A bacteremia can result from scaling and root planing in: 16) _____
A) Healthy gingiva
B) Periodontitis and gingivitis
C) Periodontitis only
D) Gingivitis only
E) All of the above
- 17) In the healing of incisional wounds, the wound edges are held together 17) _____
during the initial phase (lag, latent, or substrate phase) by:
A) Fibrin and epithelial cells B) Mucopolysaccharides
C) Collagen D) All of the above are correct
- 18) The most commonly isolated strain of yeast from root canals is: 18) _____
A) Candida albicans B) Histoplasma capsulatum
C) Saccharomyces cerevisiae D) Cryptococcus neoformans
- 19) In order to make the diagnosis of trigeminal neuralgia, which of the 19) _____
following must be present?
A) Intermittent paroxysms of pain along one or more more divisions of
the trigeminal nerve
B) A trigger mechanism
C) No abnormal neurologic findings except the tic
D) Only (A) and (B) are correct
E) (A) , (B), and (C) are correct
- 20) Perforation of the apical foramen during cleansing and shaping can 20) _____
result in:
A) Necrotic tissue forced into apical tissues
B) Foramen enlargement
C) Trauma to the apical tissues
D) Pain to patient
E) All of the above are correct
- 21) One hypothesis of pain modulation is based upon the 21) _____
inhibitory-excitatory interaction of afferent fiber synapses. What is
this pain modulation theory called?
A) Gate control theory B) Pattern theory
C) Specificity theory D) Variable pain theory
- 22) Which of the following can be associated with localized juvenile 22) _____
periodontitis with severe alveolar bone loss?
A) neutrophil chemotactic defects B) Lysis of neutrophils
C) Increased phagocytosis D) Cyclic eosinophilia

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- 23) An elderly male patient presents with a vague diffuse pain in the lower mandibular anterior teeth. The pain comes and goes and has been present for 3 months. Although the medical history is noncontributory, the patient has not had a physical exam in 5 years. You are unable to elicit any positive findings through diagnostic testing. Your next consideration should be to: 23) _____
- A) Refer the patient to a physician for full examination and consultation prior to any further dental treatment
 - B) Set up another appointment to reevaluate the situation in 2 weeks
 - C) Prescribe analgesia and dismiss the patient
 - D) Investigate possible pain referral from the posterior mandibular teeth
 - E) Extract the teeth and replace them with a denture
- 24) At the time you complete root canal therapy for a maxillary central there is a periapical lesion 4 x 5 mm in diameter at the apex. One year later the lesion measures 2 x 3 mm. Five years later the lesion measures 1 x 1 mm in diameter. The patient has been asymptomatic all of this time. The adjacent teeth are vital, there is not pocket depth and no hyperocclusion. What is your possible diagnosis? 24) _____
- A) Chronic apical periodontitis
 - B) Acute apical periodontitis
 - C) Osteitis fibrosa cystica
 - D) Fibrous connective tissue or scar
 - E) External resorption
- 25) Pain from cardiac origin is usually: 25) _____
- A) Referred to the jaws
 - B) Due to overflow of painful afferent stimuli that enter the sensory neuron pool
 - C) Greater in the right than in the left jaw
 - D) Only (A) and (B) are correct
 - E) (A), (B) and (C) are correct
- 26) Regarding the restoration of endodontically treated teeth, all of the following are generally believed to be true except: 26) _____
- A) A major disadvantage of posts / dowels is that it does not reinforce the tooth structure, in fact, it weakens it
 - B) At least 4 mm of gutta-percha must remain to preserve the apical seal
 - C) Cusps adjacent to lost marginal ridges should be restored with an onlay
 - D) Pins add to stresses and microfractures in dentin and should not be used
 - E) Threaded screw posts are preferred over parallel sided and tapered posts
 - F) All post designs are predisposed to leakage

- 27) Which of the following pulpal cell types is a reservoir of multipotential cells capable of responding in an effective defensive manner following irritation? 27) _____
- A) Lymphocytes
 - B) Odontoblasts
 - C) Histiocytes
 - D) Undifferentiated mesenchymal cells
 - E) Polymorphonuclear leukocytes
- 28) Which local sign of acute inflammation is caused by the dilation of capillaries? 28) _____
- A) Pain
 - B) Redness
 - C) Swelling
 - D) Heat
- 29) A pulp has been extirpated. The root canal has been debrided and a dressing has been sealed in the canal. The tooth later develops an apical periodontitis. This condition may be due to: 29) _____
- A) Chemical irritation by drugs used in the canal
 - B) Presence of microorganisms
 - C) Mechanical irritation of the periodontitis through overinstrumentation
 - D) Any one of any combination of the above
- 30) The safest instrument for removing the pulp from a very fine canal is a: 30) _____
- A) Smooth broach
 - B) Small K-typed file
 - C) Tempered universal hedstrom file
 - D) Barbed broach
- 31) Which of the following are contraindications to endodontic therapy? 31) _____
- A) A non-restorable tooth
 - B) A tooth with a vertical root fracture
 - C) A tooth with insufficient periodontal support
 - D) All of the above
- 32) Ultrasectional and biochemical studies have shown that plaque microorganisms produce substances that separate them from one another and form a matrix for further plaque accumulation. This "matrix" is made up of dextrans (glucans) and: 32) _____
- A) Mucoproteins
 - B) Monosaccharides
 - C) Lipoproteins
 - D) Disaccharides
 - E) Levans (fructans)

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- 33) Chronic gingivitis is caused by: 33) _____
A) Organisms invading tissues
B) Calculus
C) By-products of mixed microorganisms massed on tooth and tissue surfaces
D) Occlusal trauma
E) Retention of food and food breakdown products
- 34) Which of the following types of nerve fibers are thought to carry pain stimuli to the postcentral gyrus of the cerebral cortex? 34) _____
1. "A alpha" fibers
2. "A delta" fibers
3. "dorsal A" fibers
4. "dorsal C" fibers
A) 1 and 2 B) 2 and 4 C) 3 and 4 D) 1 and 3
- 35) Systemic pain in general and pulpal pain in specific have the same following characteristics: 35) _____
A) Pain perception is relatively constant from person to person, while reaction is quite variable
B) Pain reaction is relatively constant from person to person while pain perception is quite variable
C) Pain perception and pain reaction
D) Only (A) and (B) are correct
E) Only (A) and (C) are correct
- 36) A common change seen in the pulpal tissue during the aging process is: 36) _____
A) An increase in the cellular components
B) The loss of dystrophic mineralization
C) The development of new capillary buds in the apical portion of the pulp
D) An increase in the number and thickness of collagen
E) A decrease in pulp response to thermal changes
- 37) If the mesiobuccal root of a maxillary molar has an extreme distal curvature, the principle of directional filling dictates that most of the filling be: 37) _____
A) On the mesial root surface
B) Distributed equally on all surfaces
C) On the distal root surface
D) On the buccal and lingual root surfaces only

- 38) Which of the following is correct regarding replantation procedures following traumatic avulsion? 38) _____
- A) The prognosis is excellent, with the five year success rate ranging from 80 to 90 percent
 - B) External resorptive defects that occur after replantation contribute to the poor prognosis of the procedure
 - C) Ankylosis is infrequent if the avulsed tooth is replanted within two hours
 - D) Replantation procedures have no value, since most teeth will be lost within 10 years
- 39) Endodontic therapy is contraindicated if the involved tooth is wholly or partially luxated because the sooner the tooth is returned to the alveolus, the better the prognosis for retention: 39) _____
- A) Both the statement and the reason are correct and are related
 - B) Both the statement and the reason are correct but are not related
 - C) The statement is correct but the reason is incorrect
 - D) The statement is incorrect but the reason is correct
 - E) Both the statement and the reason are incorrect
- 40) Tenderness on percussion of a tooth frequently indicates: 40) _____
- A) The presence of a cementoma
 - B) The presence of cyst
 - C) The presence of a granuloma
 - D) Extension of pulpal disease or infection into the periapical area
- 41) Which cells do not characterize the cellular response at the onset of pulpal inflammation? 41) _____
- A) Lymphocytes
 - B) Plasma cells
 - C) Polymorphonuclear (PMN) Leukocytes
 - D) Macrophages
- 42) The treatment for ossifying periapical fibroma is: 42) _____
- A) Routine root canal therapy
 - B) Radiation therapy and enucleation
 - C) Periodic radiographical observance
 - D) Enucleation

- 43) Effective root canal sterilization relies solely on the use of intracanal medicaments in the canal between appointments because long periods of medicament and root wall contact ensure total bacterial death and tissue neutralization. 43) _____
- A) Both statement and reason are correct and related.
 - B) Both statement and reason are correct but NOT related.
 - C) The statement is correct but the reason is NOT.
 - D) The statement is NOT correct, but the reason is.
 - E) NEITHER statement nor reason is correct.
- 44) Sterilization of reamers and files in the glass-bead or hot-salt sterilizer without affecting the temper of the instrument is attained at: 44) _____
- A) 150°F for five seconds
 - B) 150°F for 30 seconds
 - C) 450°F for 30 seconds
 - D) 450°F for five seconds
- 45) During a routine radiographic evaluation, you notice bone loss extending from the cemento-enamel junction to the apex of tooth #21. Further evaluation reveals that probing depths are above normal limits all around the tooth, however, at one point the probe drops precipitously to an even greater depth. Vitality test is negative. This patient may require: 45) _____
- A) Endodontic treatment followed by periodontic treatment
 - B) Root end surgery
 - C) Endodontic treatment only
 - D) Periodontic treatment followed by endodontic treatment
 - E) Extensive periodontal treatment followed by vitality re-assessment
- 46) While regaining canal patency during endodontic retreatment, all of the following statements are true except: 46) _____
- A) Rotary instruments work faster and improve the access early in the treatment as compared to heated instruments
 - B) Over-extended gutta-percha cones had to be removed by extending file periapically
 - C) A very light apical pressure must be applied while using Nickel Titanium rotary files
 - D) Eucalyptol is the reagent of choice to dissolve gutta-percha
 - E) A "crown down" sequence (larger to smaller) of instruments is used from coronal to apical
- 47) Symptoms of internal resorption include: 47) _____
- A) Constant unexplained toothache
 - B) Completely symptom-free or mild pain in the tolerable level
 - C) Pulpal discomfort in the morning
 - D) Pain in one quick stab

- 48) The electric pulp tester can: 48) _____
- A) Always elicit a satisfactory response in multirrooted teeth
 - B) Be used to test with full coverage
 - C) Register diseases of the pulp
 - D) All of the above are correct
 - E) None of the above are correct
- 49) A patient has an isolated 8 mm pocket and furcation involvement at the distal aspect of the maxillary right second molar. This tooth is the only distal abutment for a four-unit bridge. Clinical inspection reveals an enamel pearl (2mm in diameter) located 5 mm apical to the gingival margin. This site should be treated by: 49) _____
- A) Flap surgery and odontoplasty followed by regular recall appointments
 - B) Extraction
 - C) Resection of the palatal root followed by regular recall appointments
 - D) Scaling and root planing at six-month intervals
 - E) Flap surgery and bone grafting followed by regular recall appointments
- 50) The solution most preferred for irrigation is: 50) _____
- A) Hydrogen peroxide
 - B) Isotonic sterile saline
 - C) Eugenol
 - D) Sodium hypochlorite
- 51) Occlusal traumatism may initiate which of the following conditions? 51) _____
- A) Periodontal pockets
 - B) Suppuration in the periodontal ligament
 - C) Gingival recession
 - D) Tooth mobility
 - E) All of the above
- 52) In a culture procedure it is common practice to use an enriched culture medium and to incubate it at 37°C for 48-96 hours because thorough incubation under the right conditions permits organism identification, appropriate antibiotic administration and successful root canal therapy. 52) _____
- A) Both statement and reason are correct and related.
 - B) Both statement and reason are correct but NOT related.
 - C) The statement is correct but the reason is NOT.
 - D) The statement is NOT correct, but the reason is.
 - E) NEITHER statement nor reason is correct.

53) A gingivectomy may be indicated for which of the following? 53) _____

- (1) Phenytoin-induced enlargement
- (2) Hereditary gingival hyperplasia
- (3) Fibrotic gingival reaction to local irritants
- (4) Edematous gingival reaction to local irritants

- A) (1) and (2) only
- B) (2) and (4)
- C) (1), (2) and (3)
- D) (3) and (4)
- E) All of the above

54) Four canals are most frequently found in the: 54) _____

- A) Mandibular first molar
- B) Maxillary first molar
- C) Mandibular second molar
- D) Maxillary second molar

55) On radiograph the mental foramen may be mistaken for a periapical lesion on a: 55) _____

- A) Maxillary premolar
- B) Mandibular premolar
- C) Maxillary central
- D) Mandibular lateral

56) From a histologic standpoint a Phoenix abscess or recrudescence would consist of: 56) _____

- (1) PMNs
- (2) Macrophages
- (3) Plasma cells
- (4) Lymphocytes
- (5) Circumferential areas of bone resorption

- A) (1), (3) and (5)
- B) (3), (4) and (5)
- C) (1) and (5)
- D) (2), (3) and (4)
- E) All of the above

- 57) Which of the following statements regarding the management of an avulsed tooth are true? 57) _____
- A) Teeth with incomplete root development and replanted within 30 minutes may require no endodontic treatment
 - B) Milk has a maximum storage time of up to 6 hours
 - C) Saliva is hypotonic and can allow storage of the tooth up to 2 hours
 - D) The storage of an avulsed tooth in tap water is as bad as dry storage
 - E) After 60 minutes of dry storage of an avulsed tooth, few periodontal ligament cells survive
 - F) Teeth with complete root development should be treated endodontically as soon as possible even if replanted within 30 minutes
 - G) All of the above statements are true
- 58) Nutrient materials for the cells of gingival epithelium are supplied primarily by way of: 58) _____
- A) Capillaries in subjacent connective tissue
 - B) Reutilization of materials from the cornified layer
 - C) Capillaries in the prickle cell layer
 - D) Secretions of salivary glands
- 59) An apicoectomy is a resection: 59) _____
- A) Of the most coronal portion of the root
 - B) Of the entire pulp horn
 - C) Of the most apical portion of the root
 - D) Of the coronal portion of the pulp horn
- 60) Which of the following teeth have the poorest prognosis following furcation therapy? 60) _____
- A) Maxillary second molars
 - B) Mandibular second molars
 - C) Mandibular first molars
 - D) Maxillary first molars
- 61) During endodontic therapy, appropriate clinical management of infection may include: 61) _____
- (1) Thorough biomechanical cleansing of the root canal
 - (2) Using intracanal medicaments
 - (3) Incision and drainage if fluctuant swelling is present
 - (4) Antibiotic administration
 - (5) Tooth extraction
- A) (4)
 - B) (1), (2) and (4)
 - C) (3) and (4)
 - D) (1), (3) and (4)
 - E) All of the above

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- 62) The major advantage of zinc oxide-eugenol based sealer types is: 62) _____
- A) Insolubility
 - B) Adhesion
 - C) Non-staining property
 - D) Fast setting time
 - E) Long history of successful usage
- 63) Radiographically, the level of the normal interproximal alveolar crest is related to the: 63) _____
- A) Anatomy of the alveolar process
 - B) Epithelial attachment
 - C) Position of the cemento-enamel junctions of approximal teeth
 - D) Location of the gingival attachment
 - E) Amount of underlying trabecular bone
- 64) The length between D1 and D2 on a standardized #35 file is: 64) _____
- A) 20 mm
 - B) 18 mm
 - C) 16 mm
 - D) 21 mm
- 65) When compared with the flora from healthy sites, the flora from subgingival sites associated with inflammatory periodontal disease frequently shows an increase in which of the following bacteria? 65) _____
- (1) Streptococcus mutans
 - (2) Bacteroides gingivalis
 - (3) Spirochetes
 - (4) Shigella flexneri
 - (5) Streptococcus sanguis
- A) (3) and (5)
 - B) (2) and (4)
 - C) (2) and (3)
 - D) (1) and (2)
 - E) (1) and (5)
- 66) According to the buccal object rule, when the x-ray tube is repositioned either at a more mesial or at a more distal angulation and a film is exposed, the root or canal farther from the film (the buccal) will: 66) _____
- A) Move in the same direction that the cone is directed
 - B) Move in the opposite direction that the cone is directed
 - C) Not move at all

- 67) Which of the following will most likely result in the absence drainage in a periodontal pocket? 67) _____
- A) Abscess formation
 - B) Cyst formation
 - C) Increased calculus formation
 - D) Epithelial hyperplasia
 - E) Pulpitis
- 68) When endodontically treated teeth are evaluated for an appropriate restoration, the factors which must be considered are: 68) _____
- (1) Periodontal status of the tooth
 - (2) Amount and quality of remaining tooth structure
 - (3) Position of the tooth in the arch
 - (4) Endodontic prognosis for the tooth
 - (5) Patient economics
- A) (1), (4) and (5)
 - B) (1) and (2)
 - C) (4) and (5)
 - D) (1), (2) and (3)
 - E) All of the above
- 69) Autonomic neurons within the pulp differ from the sensory nerves in the following ways: 69) _____
- A) Structurally they are entirely myelinated
 - B) They are vasomotor in function
 - C) They are more abundant than sensory fibers
 - D) Only (A) and (B) are correct
 - E) Only (A) and (C) are correct
- 70) A culture must be taken before impaction: 70) _____
- A) Since the bacteria spread through the canal
 - B) Since the flora of the canal will be materially reduced
 - C) Because the flora of the canal will be increased
 - D) Because all microorganisms are destroyed
- 71) A patient, age 13, has an upper central that has a fractured root in the middle third of the root. The tooth is stable, vital, and clinically appear as normal. There is no periapical radiolucency. The best initial treatment would be to: 71) _____
- A) Stabilize the tooth for six weeks
 - B) Do no definitive treatment but observe at three to six months intervals
 - C) Extract the tooth
 - D) Treat the tooth endodontically

- 72) The most common cause of acute osteomyelitis of the jaws is: 72) _____
 A) Unknown B) Dental infection
 C) Radiation D) Iatrogenic
- 73) Which of the following teeth most often refer pain to the temporal 73) _____
 region?
 A) Maxillary molars B) Maxillary second premolars
 C) Maxillary incisors D) Mandibular molars
- 74) The final working length that you establish for a particular canal is 74) _____
 usually not the length of the tooth as measured from the radiograph.
 Why is this true?
1. The radiograph image may be foreshortened
 2. The radiograph image may be elongated
 3. The cementodentinal junction is usually short of (coronal to) the radiographic apex
 4. The cementoenamel junction is usually longer than (apical to) the radiographic apex
- A) 1, 2, 3 and 4 B) 1 and 3
 C) 2 and 4 D) 1, 2 and 3
- 75) Tooth #9 requires root-end surgery. Which flap design is generally not 75) _____
 indicated?
 A) A submarginal triangular and rectangular flap
 B) A full mucoperiosteal flap
 C) A submarginal curved flap
 D) None of the above
- 76) Which aspect of endodontic therapy is most important? 76) _____
 A) The filling material used
 B) The number of the rubber dam clamp used
 C) The complete debridement of the root canal system
 D) The size of the file used in the canal
- 77) Which of the following should be given the greatest consideration in 77) _____
 relation to the use of intracanal antimicrobial agents?
 A) The role played by drugs is a primary one, thus they should be used in sufficient quantity
 B) Drugs play a primary role in canals that cannot be enlarged to a satisfactory size
 C) Drugs must be relied upon primarily when a negative culture is impossible to obtain or when cultures are not taken
 D) The role played by drugs is purely secondary, thus they should be used judiciously and in small quantities

- 78) The presence of pulp stones on an x-ray indicates the presence of: 78) _____
 A) Chronic periodontitis B) Acute pulpitis
 C) Acute pulpitis D) None of the above are correct
- 79) (A) method(s) used both to detect and identify the microorganisms present in root canals is (are): 79) _____
- (1) Gram-staining
 (2) Blood tests
 (3) Phase microscopy
 (4) Culture for 48-96 hours and plating of positive findings
 (5) Antibiotic sensitivity tests
- A) (1), (4) and (5)
 B) (1) and (4)
 C) (3), (4) and (5)
 D) (1), (2) and (3)
 E) (4)
- 80) In order to achieve a proper root canal preparation, one should: 80) _____
 A) Flare the body of the canal to exceed the taper of the gutta-percha technique cone
 B) Allow for adequate access and widening of the orifice to allow the spreader to reach the apical third of the canal
 C) Maintain the natural apical construction
 D) All of the above are correct
- 81) Sulcular brushing is best accomplished by using a: 81) _____
 A) Soft 2- or 3-row brush with rounded bristle tips
 B) Brush with angular-cut bristle tips and a soft texture
 C) Natural-bristle brush
 D) Brush with square-cut bristle tips and a medium texture
 E) None of the above
- 82) Endodontic cement: 82) _____
 A) Fill variations not filled by gutta-percha technique
 B) Is essentially zinc oxide eugenol
 C) Is referred to as sealer
 D) All of the above are correct
- 83) A cyst can be differentiated from a granuloma by the: 83) _____
 A) Histological examination of the lesion
 B) Size of the lesion
 C) Radiographic appearance of the lesion
 D) Chronicity of the lesion

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- 84) Histologically, the dental pulp most closely resembles what type of tissue? 84) _____
 A) Granulation tissue B) Vascular tissue
 C) Nerve tissue D) Loose connective tissue
- 85) Which condition is characterized by pain that is spontaneous and has periods of cessation (intermittent in nature)? 85) _____
 A) Reversible pulpitis B) Irreversible pulpitis
- 86) For antibiotic prophylaxis in endodontic procedures, which of the following drugs are most appropriate? 86) _____
 A) Terramycin or streptomycin
 B) Streptomycin or ampicillin
 C) Penicillin or erythromycin
- 87) Convenience form in a root canal preparation should be judged: 87) _____
 A) During the cleansing and shaping of the canal
 B) Initially, during length determination
 C) When trial and master cone is in place with the spreader
 D) All of the above are correct
- 88) Of the following percentage ranges, the one most likely to reflect the incidence of gram-positive root canals is: 88) _____
 A) 25 to 50% B) 75 to 100% C) 5 to 10% D) 50 to 75%
- 89) Of the following indices, which takes into account the thickness of plaque on a tooth? 89) _____
 A) Simplified Oral Hygiene index (OHI-S) of Greene and Vermillion
 B) PDI
 C) Plaque index of O'Leary
 D) Plaque index of Löe and Silness
- 90) Infection of the mandibular molars is most likely to produce swelling in the: 90) _____
 A) Sublingual space B) Parotid space
 C) Submaxillary space D) Submental space
- 91) Which of the following cell types contains a vasoactive amine that is released in the inflammatory process and is active in causing vascular permeability? 91) _____
 A) B-lymphocyte B) T-lymphocyte
 C) Plasma cell D) Mast cell

- 92) The technique of displacing gutta-percha cones against the root canal to provide space for additional gutta-percha technique is termed: 92) _____
- A) Forceful condensation
 - B) Lateral condensation
 - C) Vertical condensation
 - D) Incremental technique
 - E) Sectional technique
- 93) Which of the following intracanal instruments is designed for the removal of pulp tissue, cotton pellet absorbent points, and other soft materials, but not for canal enlargement? 93) _____
- A) Broaches
 - B) Files
 - C) Reamers
 - D) None of the above
- 94) Success in endodontics is usually determined by: 94) _____
- A) Symptoms
 - B) Radiographs
 - C) Clinical observation
 - D) All of the above are correct
- 95) A patient presents with an occasional vague pain in the lower left first molar. The pain began 2 weeks ago and is present upon chewing. Hot and cold stimuli do not bring on discomfort. Radiographically there is bone loss evident in the immediate bifurcation of the tooth. Further diagnostic testing may consist of: 95) _____
- (1) Limited periodontal probing around the tooth in question
 - (2) Periodontal probing and radiographic evaluation of the entire dentition
 - (3) Evaluation of occlusal discrepancies
 - (4) Evaluation for the presence of a cracked tooth
 - (5) Electric pulp testing
- A) (2), (4) and (5)
 - B) (2), (3), (4) and (5)
 - C) (1), (2) and (5)
 - D) (1), (4) and (5)
 - E) (1) and (5)
- 96) The term "tug back" when used in connection with a master cone, is related to the: 96) _____
- A) Fit the cone in the apical 2 or 3 mm
 - B) Size of the cone
 - C) Tensile strength of the gutta-percha
 - D) Consistency of the gutta-percha
 - E) Length of the cone

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- 97) Approximately what percentage of mandibular first premolars may have two canals with two apical foramina? 97) _____
A) 25% B) 65% C) 45% D) 5%
- 98) To prepare a root canal for filling and to prevent the formation of a ledge during instrumentation within the root canal, instruments would be best used: 98) _____
A) Largest first, enlarging orifice, then proceeding in sequential order until the apical termination is arrived at
B) Smallest first, proceeding in sequential order, each instrument traveling the same distance as its predecessor
C) A size selected to approximate the canal size is vigorously rasped in and out of the canal to smooth the walls
D) Only as much instrumentation as necessary to remove the pulp contents is indicated
- 99) An electric pulp tester (EPT or Vitalometer) usually elicits a response at a higher current than normal if a tooth, being tested has: 99) _____
A) Open apex B) A pus-filled canal
C) Suffered a trauma D) Chronic pulpitis
E) Hyperemia F) Acute pulpitis
- 100) Which of the following can be identified accurately radiographically? 100) _____
A) Periapical osteofibrosis
B) Apical cyst
C) Chronic apical abscess
D) All of the above are correct
E) None of the above are correct

Answer Key

Testname: UNTITLED4

- 1) D
- 2) C
- 3) A
- 4) B
- 5) B
- 6) A
- 7) E
- 8) B
- 9) A
- 10) A
- 11) F
- 12) C
- 13) B
- 14) B
- 15) E
- 16) E
- 17) A
- 18) A
- 19) E
- 20) E
- 21) A
- 22) A
- 23) A
- 24) D
- 25) D
- 26) E
- 27) D
- 28) B
- 29) D
- 30) B
- 31) D
- 32) E
- 33) C
- 34) B
- 35) D
- 36) D
- 37) A
- 38) B
- 39) D
- 40) D
- 41) C
- 42) C
- 43) E
- 44) D

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Answer Key

Testname: UNTITLED4

- 45) A
- 46) D
- 47) B
- 48) E
- 49) A
- 50) D
- 51) D
- 52) C
- 53) C
- 54) B
- 55) B
- 56) E
- 57) G
- 58) A
- 59) C
- 60) A
- 61) E
- 62) E
- 63) C
- 64) C
- 65) C
- 66) A
- 67) A
- 68) E
- 69) D
- 70) B
- 71) B
- 72) B
- 73) B
- 74) D
- 75) C
- 76) C
- 77) D
- 78) D
- 79) E
- 80) D
- 81) A
- 82) D
- 83) A
- 84) D
- 85) B
- 86) C
- 87) D
- 88) B

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Answer Key

Testname: UNTITLED4

- 89) D
- 90) C
- 91) D
- 92) B
- 93) A
- 94) D
- 95) B
- 96) A
- 97) A
- 98) B
- 99) D
- 100) E

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