

Course No: DENT 3213
Course Title: Endodontic 1
Date: 24/01/2015
No. of Questions: (4)
Time: 2 hours
Using Calculator (No)

University of Palestine



Final Exam
1st Semester 2014/2015
Total Grade: 60

Instructor Name: Dr. Hadil Alfilbani
Student No.: _____
Student Name: _____
College Name: _____
Dep. / Specialist: _____
Using Dictionary (No)

Question One: Write short notes on:


1. Indications for root canal treatment?
2. Contra-indications for root canal treatment
3. Incorrect working lengths will result in what three errors?
4. Name 3 Medicaments in root canal therapy?
5. What are the needs of intra-canal medicaments?
6. What main functions do we want irrigants to accomplish?
7. What are the different techniques used with hand-files?
8. What are the ideal characteristics of an endodontic irrigant?
9. What are the basic objectives in cleaning and shaping?
10. What is the order of colours/sizes for the hand files?

Question Two: Select the most appropriate answer:

1. What is the significance of filing 0.5 mm from the radiographic apex?
 - a. distance between apical foramen and mental foramen
 - b. distance between apical constriction and apical foramen
 - c. distance between middle and apical one third of canal
 - d. distance apical foramen from any apical pathosis

2. Which of the following hand instruments has the greatest chance to separate (break) within the canal cleaning and shaping?
 - a. hedstrom file
 - b. K-file
 - c. reamer
 - d. K-flex file

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3. Which of the following is not a property of sodium hypochlorite?
 - a. tissue dissolution
 - b. antimicrobial
 - c. eliminate pulpal hemorrhage
 - d. anti inflammatory

 4. The most widely used irrigant displaying optimal cleansing bactericidal properties is:
 - a. Formouresol.
 - b. Sodium Hypochlorite.
 - c. Saline.
 - d. Hydrogenperoxide.
 - e. Gultraldehyde.

 5. Corticosteroids have their major pharmacologic effect as which of the following?
 - a. Antimicrobial agent
 - b. Analgesic
 - c. Antiinflammatory agent
 - d. Agent to reduce swelling
 - e. Agent to prevent spread of infection

 6. In addition to appropriate access, another key factor for successful endodontic treatment is .
 - a. identification of all canals
 - b. shaping and thorough debridement of all canals
 - c. obturation of all canals with a sound apical andcoronal seal
 - d. All of the above

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7. Shaping and cleaning the root canal is .
 - a. the most important part of endodontic treatment
 - b. not as important as obturating the canals
 - c. less important in single-rooted teeth
 - d. None of the above

 8. To get file size 24, the following length should be cut from file size 20:
 - a. 1mm.
 - b. 2mm.
 - c. 3mm.
 - d. 4mm.

 9. Which intracanal medicament causes protein coagulation:
 - a. Sodium hypochlorite.
 - b. Iodine potassium.
 - c. Formocresol.
 - d. Hydrogen peroxide

 10. Depending on the color code ,which of the following reamers have the least diameter :
 - a. Black
 - b. Yellow
 - c. Blue
 - d. Red

Question Three: Complete the missing information:

1. ----- defined as removal of canal wall structure on the outside curve in the apical half of the canal due to the tendency of the files to restore themselves to their original linear shape during canal preparation.

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2. ----- is a lateral perforation caused by over instrumentation through a thin wall in the root canal & is most likely to happen on the inside or concave wall of a curved canal.
3. WEINE CLASSIFICATION ----- is two orifices/two canals/two foramina.
4. ----- are particularly good for the initial preparation of very narrow canals.
5. The D1/D16 distance is constant ----- mm, so that the working portion of the instruments is always the same, despite the variability of the lengths of the available instruments.
6. -----is a small flexible instrument (08, 10) that will move passively through the terminus of a root canal without binding or enlarging the apical constricture.
7. -----This is accomplished, after each successively larger file, by irrigating and then returning to a file smaller than the file which prepared the apical portion of the canal.
8. In teeth with multiple canals, ----- is often found. It as defined as narrow passage or anatomic part connecting two larger structures.
9. According to Krasner and Rankow , the pulp chamber of every tooth is in the center of the tooth at the level of the ----- they described this as “The Law of Centrality.”
10. -----most likely to have referred pain.

Question Four: T or F:

1. RCT is Contraindicated in wisdom teeth. ()
2. Roots of max. lateral incisor may show a distal or palatal curve. ()
3. Lentulo spiral is an instrument used for materials palcement inside the root canal. ()
4. A file No.40 is 0.4mm diameter at the tip. ()
5. Gatesglidden drills are usually used to prepare the apical thirds of root canals. ()
6. K-reamers is manufactured from round cross sectioned wires. ()

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7. K-files have higher cutting efficiency than H-files. ()
 8. Irrigation is only needed in non-vital canals. ()
 9. The pH of calcium hydroxide is highly alkaline about 12.5. ()
 10. Excellent mechanical instrumentation will remove virtually all the infected tissue from the root canal system. ()

End of Questions
Good Luck