



قائمة الاسئلة

امتحان نهاية الفصل الدراسي الأول - للعام الجامعي 1446 هـ - الموافق -2025/2024-مكلية طب وجراحة الفم والاسنان :: الاشعة السنية الف
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1) Image receptor include:

Q1. Select the Correct Answer: (20 marks

- 1) - a. non-screen film.
 - 2) - b. Screen film.
 - 3) - c. Sensors.
 - 4) d. All answers are correct.
- 2) Screen film is:
- 1) - a. Sensitive to light
 - 2) - b. Used with intensifying screens
 - 3) - c. Used extra-orally.
 - 4) d. All answers are correct.
- 3) The SI unit of Equivalent dose is:
- 1) - a. Gray.
 - 2) - b. Rad.
 - 3) c. Sievert.
 - 4) - d. Rem.
- 4)is used in endodontic imaging.
- 1) - a. Right angle technique.
 - 2) b. Horizontal tube shifting.
 - 3) - c. Vertical tube shifting.
 - 4) - d. ALL are correct.
- 5) A radiograph that has many dark and light areas but few gray areas is said to have
- 1) - a. high density
 - 2) - b. low density
 - 3) c. high contrast
 - 4) - d. low contrast
- 6) Which of the following is used to obtained three-dimensional view?
- 1) - a. Periapical image.
 - 2) - b. Occlusal image.
 - 3) c. Occlusal and periapical images.
 - 4) - d. Bitewing and periapical images.
- 7) Ultra-Speed film is:
- 1) a. Composed of globular shaped crystals.
 - 2) - b. Composed of tabular shaped crystals.
 - 3) - c. Requires only about half the exposure of InSight film.
 - 4) - d. None of the above.
- 8) In the processing room the safelight should be mounted at leastabove the surface where opened films are handled
- 1) - a. 2 feet
 - 2) - b. 2.5 feet
 - 3) - c. 3 feet
 - 4) d. 4 feet
- 9) No ionization is occurred in:
- 1) a. Coherent scattering.





- 2) - b. Compton scattering.
3) - c. Photoelectric absorption.
4) - d. None of the above.
- 10) The ALARA principle refers to:
1) - a. Keeping doses as low as reliably achievable
2) - b. Keeping doses as light as reliable achievable
3) + c. Keeping doses as low as reasonably achievable
4) - d. Keeping developer as level as reasonably achievable.
- 11) Examples of electromagnetic radiation include all EXCEPT one.
Which one is the EXCEPTION?
1) - a. Visible light.
2) - b. Radio waves.
3) - c. MR imaging.
4) + d. Beta particles.
- 12) Which is the source of electrons within the x-ray tube?
1) - a. Anode.
2) + b. Filament.
3) - c. Control panel.
4) - d. Focusing cup.
- 13) Changing from 75 kVp to 90 kVp will
1) - a. Decrease radiographic density
2) + b. Decreases radiographic contrast
3) - c. Increases radiographic contrast
4) - d. Increase radiographic exposure time
- 14) A measure of the capacity of radiation to ionize air is called
1) + a. exposure.
2) - b. absorbed dose.
3) - c. equivalent dose.
4) - d. radioactivity level.
- 15) Which of the following film sizes is used only for adult bitewing radiograph?
1) - a. size #0
2) - b. size #1
3) - c. size #2
4) + d. size #3
- 16) Which portion of the x-ray film records the radiographic image?
1) - a. Base.
2) - b. Screen.
3) - c. Cassette.
4) + d. Emulsion.
- 17) All of the following may be seen on a mandibular molar film except
1) - a. Mandibular canal
2) - b. Inferior border of the mandible
3) + c. Condyle
4) - d. Internal oblique ridge
- 18) Excessive vertical angulation results in image
1) - a. overlapping.
2) - b. cone-cut.
3) - c. elongation.
4) + d. foreshortening.





- 19) Bitewing radiographs are used to detect
- 1) - a. periodontal bone loss
 - 2) - b. interproximal caries
 - 3) - c. recurrent caries
 - 4) d. All answers are correct.
- 20) Most damaging in DNA occur due to:
- 1) - a. Change or loss of a nitrogen base.
 - 2) - b. Single- strand breakage of DNA.
 - 3) c. Double-strand breakage at same location.
 - 4) - c. Double-strand breakage at far apart location.
- 21) 1. Screen film uses less radiation than direct exposure film.

Q2: True or False: (10 marks)

- 1) TRUE.
 - 2) - FALSE.
- 22) 2. In the x-ray tube head, inherent filtration includes the insulating oil and aluminum disks.
- 1) - TRUE.
 - 2) FALSE.
- 23) 3. Object localization by right angle technique is used by Periapical film
- 1) - TRUE.
 - 2) FALSE.
- 24) 4. Particle radiation is type of electromagnetic radiation.
- 1) - TRUE.
 - 2) FALSE.
- 25) 5. Using F-speed film instead of D-speed film reduces patient exposure
- 1) TRUE.
 - 2) - FALSE.
- 26) 6. Typical full-mouth radiographs consisting of 14 periapical views and 4 bitewing views.
- 1) - TRUE.
 - 2) FALSE.
- 27) 7. Long-cone technique is preferred to obtain image with less distortion
- 1) TRUE.
 - 2) - FALSE.
- 28) 8. Parallel technique is indicated in case with shallow palate.
- 1) - TRUE.
 - 2) FALSE.
- 29) 9. Overlapping error is occurred due to incorrect vertical angulation.
- 1) - TRUE.
 - 2) FALSE.
- 30) 10. Vertical angulation errors primarily seen when using the bisecting angle technique.
- 1) TRUE.
 - 2) - FALSE.

