Chapter 2/tant-bandtinadio Raphygeastaid Deprior limited-practice-4e-long Test Bank

MULTIPLE CHOICE

1.	X-rays that leave tha. tube housing.b. tube port.c. patient.d. image receptor	-	
	ANS: B	REF:	Page 13
2.	The portion of the exposures is called a. transformer. b. grid cabinet. c. control booth. d. tube stand.	•	oom that is protected from scatter radiation and is safe during
	ANS: C	REF:	Page 20
3.	ray tube is called tha. radiation field. b. primary x-ray bc. x-ray tube. d. central ray.	e: eam.	nter of the x-ray beam and perpendicular to the long axis of the x-
	ANS: D	REF:	Page 13
4.	An IR that has beer image called the: a. latent image. b. visible image. c. remnant radiation. d. radiation field.	-	ed to a body part but has not yet been processed has an unseen
	ANS: A	REF:	Page 13
5.	Tissues with greate dense tissues, such a. more b. less c. equal amounts od. no	as fat.	such as bone, will absorb radiation, as compared with less
	ANS: A	REF:	Page 13
6.	The absorption of x a. scatter.	-rays b	by matter is called:

	c. fog. d. remnant radiation.
	ANS: B REF: Page 13
7.	 Which of the following statements regarding scatter radiation is true? a. Scatter radiation is another term for remnant radiation. b. Scatter radiation is created within the tube with the primary beam. c. Scatter radiation has less energy than the primary beam. d. Scatter radiation travels in one direction and is easy to control.
	ANS: C REF: Page 13
8.	The varying intensity of radiation that exits on the opposite side of the patient and reaches the IR is called radiation. a. scatter b. fog c. remnant d. primary
	ANS: C REF: Page 13
9.	The image receptor (IR) usually consists of the: a. x-ray tube and the tube stand. b. cassette and phosphor imaging plate. c. control console and the transformer. d. tube locks and the detent.
	ANS: B REF: Page 14
10.	Which of the following are common computed radiography sizes used for general examinations? 1. 5 × 5 in. 2. 10 × 12 in. 3. 14 × 17 in. a. 1 and 2 only b. 1 and 3 only c. 2 and 3 only d. 1, 2, and 3
	ANS: C REF: Page 14
11.	The radiation that exits the x-ray tube and travels in-air to the patient is called: a. primary. b. remnant. c. scatter. d. latent.
	ANS: A REF: Page 13
12.	Computed radiography (CR) is sometimes called a(n) system.

b. attenuation.

- a. "filmless"
- b. "cassetteless"
- c. "imageless"
- d. "radiationless"

ANS: A REF: Page 14

- 13. Where is the image originally obtained and stored in computed radiography (CR)?
 - a. On a film
 - b. In a phosphor material
 - c. On a laser disk
 - d. In a microprocessor

ANS: B REF: Page 14

- 14. Computed radiography (CR) eliminates the need for:
 - a. proper positioning.
 - b. proper collimation.
 - c. cassettes.
 - d. darkrooms.

ANS: D REF: Page 14

- 15. A mechanism that tends to stop a moving part in a specific location is called a:
 - a. collimator.
 - b. control console.
 - c. transformer.
 - d. detent.

ANS: D REF: Page 17

- 16. The boxlike device attached under the tube housing that allows the limited operator to vary the size of the radiation field is called a:
 - a. collimator.
 - b. transformer.
 - c. detent.
 - d. tube port.

ANS: A REF: Page 17

- 17. A device to protect the IR from being fogged by scatter radiation is called a:
 - a. collimator.
 - b. detent.
 - c. grid or Bucky.
 - d. cassette.

ANS: C REF: Page 19

- 18. The principal source of scatter radiation is the:
 - a. x-ray tube.
 - b. collimator.
 - c. patient.
 - d. control booth.

	ANS: C	REF:	Page 22		
19.	A tilting table will al position. a. Trendelenburg b. Sims c. Fowler d. supine	low th	ne head end to be lowered at least 15 degrees into the		
	ANS: A	REF:	Page 18		
20.	The principal purpose of doing a "safety check" before making an exposure is to: a. ensure a quality radiographic image. b. prevent radiation hazard to yourself. c. protect the patient from unnecessary exposure. d. prevent accidental exposure of co-workers.				
	ANS: D	REF:	Page 22		
21.	The primary radiation called: a. primary. b. scattered. c. latent. d. remnant.	n that	enters the patient and then leaves it, traveling in all directions is		
	ANS: B	REF:	Page 13		
22.	Unwanted image expa. primary radiation b. remnant radiation c. attenuation. d. scatter radiation	n. n.	that is caused by scatter radiation is called:		
	ANS: D	REF:	Page 13		
23.	After an x-ray is taked processed in the: a. darkroom.b. PC computer.c. image reader develd. microprocessor.		the image is stored in the computed radiography plate, it has to be		
	ANS: C	REF:	Page 15		
24.	a. nausea.b. falling.c. back pain.		incident that can happen to a patient in the radiology department is:		
	d. pinching fingers ANS: B		Page 19		
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