Radiography Essentials for Limited Scope 7th edition Frank Test Bank

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Test Bank - Chapter 01

Q1: X-rays were discovered in 1895 by

A. Coolidge.
B. Crookes.
C. Roentgen. (Correct)
D. Edison.

Q2: On what date were x-rays discovered?

A. November 8, 1895 (Correct)
B. November 10, 1923
C. October 31, 1859
D. October 31, 1895

Q3: What is the proper term for the “pictures” produced by x-rays?

A. Photographs
B. Radiographs (Correct)
C. Views
D. X-images

Q4: The world’s oldest and largest radiologic science professional organization is the

A. American Registry of Radiologic Technologists (ARRT).
B. Joint Review Committee on Education in Radiologic Technology (JRCERT).
C. Association of Educators in Imaging and Radiologic Sciences (AEIRS).
D. American Society of Radiologic Technologists (ASRT). (Correct)

Q5: Which organization establishes standards and provides certification examinations for radiologic technologists?

A. American Registry of Radiologic Technologists (ARRT) (Correct)
B. Joint Review Committee on Education in Radiologic Technology (JRCERT)
C. Association of Educators in Imaging and Radiologic Sciences (AEIRS)
D. American Society of Radiologic Technologists (ASRT)

Q6: What do the initials RT(R) stand for?

A. Registered technologist (radiography) (Correct)
B. Radiography technology (registered)
C. Respiratory therapy (registered)
D. Registered technician (radiology)

Q7: Which national organization formally conducts accreditation of education programs in radiologic technology?

A. ARRT
B. ASRT
C. JRCERT (Correct)
D. AEIRS

Q8: What is the imaging modality that provides real-time viewing of x-ray images in motion?

A. Computed tomography (CT)
B. Nuclear medicine (NM)
C. Positron emission tomography (PET)
D. Fluoroscopy (Correct)

Q9: Which of the following imaging modalities does not use ionizing radiation to produce the image? All of the following imaging modalities use ionizing radiation to produce an image, except:

A. Computed tomography
B. Fluoroscopy
C. Mammography
D. Sonography (Correct)

Q10: To determine the credentials or certification needed for you to practice limited radiography, you should contact

A. the American Registry of Radiologic Technologists.
B. the U.S. Office of Health and Human Services.
C. your State Department of Health. (Correct)
D. the National Council on Radiation Protection.

Q11: Limited radiography is called limited because the _____ limited.

A. scope of practice is (Correct)
B. salaries are
C. opportunities are
D. operators' competence is

Q12: Which of the following are within the scope of practice for a limited operator? 1. Use of contrast media x-ray examinations 2. Performing basic radiographic examinations 3. Explanation of x-ray procedures

A. 1 and 2 only
B. 1 and 3 only
C. 2 and 3 only (Correct)
D. 1, 2, and 3

Q13: The imaging modality that uses contrast media to image blood vessels is called

A. mammography.
B. positron emission tomography.
C. sonography.
D. angiography. (Correct)

Q14: Which of the following are possible consequences for practicing beyond the scope of practice of a limited operator? 1. Monetary fines 2. Revocation of license/permit 3. Imprisonment

A. 1 and 2 only
B. 1 and 3 only
C. 2 and 3 only
D. 1, 2, and 3 (Correct)

Q15: The term reciprocity means that

A. special credentials are required.
B. credentials issued in one state are recognized in another state. (Correct)
C. a license or permit has been applied for but has not been granted.
D. there is freedom to practice without a license or permit.

Q16: Which of the following qualifies as practicing beyond the scope of a limited operator?

A. Performing basic x-ray examinations
B. Performing office duties
C. Performing mammograms or CT exams in a private physician's office (Correct)
D. Assisting the physician in patient care

Q17: A term for a physician who has completed extensive additional training to qualify as an expert in a particular aspect of practice is a

A. doctor.
B. specialist. (Correct)
C. chiropractor.
D. practitioner.

Q18: A physician specialist who interprets radiographs and performs special imaging procedures is called a

A. radiologist. (Correct)
B. primary care physician.
C. chiropractic physician.
D. radiologic technologist.

Q19: X-ray examinations are performed on orders issued by

A. limited x-ray machine operators.
B. physicians. (Correct)

C. radiologic technologists.
D. nurses.

Q20: Which of the following is considered a duty of a limited x-ray machine operator?

A. Determining which examination should be performed.
B. Explaining the procedure and the preparation to the patient. (Correct)
C. Performing a prereading of the examination.
D. Choosing additional projections depending on what is seen on the original images.

Q21: A medical doctor who diagnoses and treats disorders and diseases of the feet is called a(n)

A. pathologist.
B. podiatrist. (Correct)
C. radiologist.
D. internist.

Q22: Which organization began to accredit limited scope x-ray machine operator educational programs in 2012?

A. AMA
B. ASRT
C. ARRT
D. JRCERT (Correct)

Q23: The nationally accepted, and most often used, term for the limited x-ray operator is

A. basic x-ray operator.
B. practical x-ray operator.
C. limited radiologic technologist (LRT).
D. limited x-ray machine operator (LXMO). (Correct)

Q24: The specialized area of radiology that uses x-rays to measure the bone mineral content and density of bones is

A. fluoroscopy.
B. computed tomography.
C. bone densitometry. (Correct)
D. magnetic resonance imaging.

Q25: How many states use the ARRT Limited Scope examination for certifying limited operators in their state?

A. 25
B. 30
C. 35 (Correct)
D. 40

Q26: The ARRT provides specialty examinations for limited x-ray operators in which of the following areas? Fluoroscopy Podiatry Bone densitometry

A. 1 and 2
B. 1 and 3
C. 2 and 3 (Correct)
D. 1, 2, and 3