

# 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