

**LOS ANGELES UNIFIED SCHOOL DISTRICT  
DIVISION OF ADULT AND CAREER EDUCATION  
SAFETY TEST FOR X-RAY TECHNOLOGY PROGRAM**

School: \_\_\_\_\_ Industry Sector: Health Science & Medical Tech.

Class: \_\_\_\_\_ Date: \_\_\_\_\_

Teacher: \_\_\_\_\_ Room: \_\_\_\_\_  
(Please Print)

Your Name: \_\_\_\_\_ Phone: \_\_\_\_\_  
(Last) (First)

Date of Birth: \_\_\_\_\_ Age: \_\_\_\_\_ Email: \_\_\_\_\_

Address: \_\_\_\_\_  
(Street) (City) (Zip)

In Case of Accident, Notify: \_\_\_\_\_ Phone: \_\_\_\_\_

**To the Student:**

These instructions are an important part of training in the X-Ray Technology program. All members of the class must observe safety rules and precautions. Habits of carelessness or of failure to follow these rules are sufficient cause for dismissal from the class.

All students are required to learn these safety rules as part of the X-Ray Technology program. Additional specific safety instructions are taught in the classroom about the various operation of machines and other workplace equipment.

All students will be required to pass this safety examination with 100% accuracy and to sign the back page of this examination indicating that you have received these instructions.

***This test must be on file in the school records for 5 years.***

**Directions: Mark "T" for true if the following statements are completely true or "F" for false if any part of the statement is untrue. The first statement will serve as an example:**

- |  |          |
|--|----------|
| 0. Most accidents in the classroom are due to unsafe acts by people.   | <b>T</b> |
| 1. All classroom injuries and accidents must be reported to the teacher immediately.   | _____    |
| 2. The school elevator may be used during an emergency such as fire or earthquake.   | _____    |
| 3. It is permissible to store heavy items on top of file cabinets and bookcases as long as nothing is stored within 18" of the sprinkler system.   | _____    |
| 4. Objects or materials must be passed carefully to or at another student.   | _____    |
| 5. You may lift or carry heavy boxes or equipment in school less than 25 lbs. using proper lifting techniques.   | _____    |
| 6. Any frayed cord or even the slightest shock or spark from electrical wire or connections must be reported to the instructor immediately.  | _____    |
| 7. When broken tools or an unsafe classroom condition are found, or a machine needs repair, it is permissible to make the needed repair and then report the condition to the instructor. | _____    |

- 8. Smoking on school campus is a violation of District rules and the Health Code. \_\_\_\_\_
- 9. Hands must be dry when handling any electrical equipment. \_\_\_\_\_
- 10. All four legs/wheels of the chair must be on the floor. Tilting back can cause the loss of balance. \_\_\_\_\_

**Directions: Choose the best answer from the (a), (b), (c), or (d) choices to complete each statement. Write the letter of your choice on the line provided in the right margin.**

- 11. California regulations require the primary beam to be collimated
  - a. To the size of the IR
  - b. An inch inside the IR
  - c. 8 feet
  - d. 10 feet\_\_\_\_\_
- 12. RT students can X-Ray each other only
  - a. If a licentiate is present
  - b. To learn their positioning
  - c. Never
  - d. As directed by the instructor\_\_\_\_\_
- 13. California regulations require the technologist to be behind the protective booth
  - a. Only during exposure
  - b. At all times
  - c. While on the job
  - d. Only when necessary\_\_\_\_\_
- 14. The three principles of radiation protection are
  - a. Time, distance, shielding
  - b. KVP, MA, TIME
  - c. LOW KVP, HIGH MAS
  - d. IGH KVP, LOS MAS\_\_\_\_\_
- 15. California regulations require technologist to wear film badges
  - a. While making an exposure
  - b. At all times
  - c. While on the job
  - d. Except while holding patients\_\_\_\_\_
- 16. When is it advisable to direct the primary beam toward the protective booth
  - a. Never
  - b. Only if necessary
  - c. While making an exposure
  - d. When collimation is tight\_\_\_\_\_
- 17. The horizontal lock on the X-Ray tube allows the tube to move
  - a. Up and down
  - b. From head to foot
  - c. Vertically
  - d. In an angled position\_\_\_\_\_
- 18. For any electrical or fire situation, the priority should be
  - a. Safety of life
  - b. Continue with what you are doing
  - c. Notify proper authorities
  - d. Handle the situation\_\_\_\_\_

19. The film bin can be exposed to white light, only when
- a. Replacing a film from the IR
  - b. Never
  - c. Processing the film
  - d. To see what you are doing
20. It is proper to move the X-Ray tube by handling the
- a. Electrical cables
  - b. Collimator
  - c. Handles and appropriate locks
  - d. Bucky
21. The proper sequence when making an exposure is to
- a. Depress the exposure button completely
  - b. Depress the exposure button only half way
  - c. Depress the exposure button half way, listen for the rotor to stop spinning
  - d. Depress the exposure button half way, listen for the rotor, then fully depress the exposure button
22. In order to properly use the Bucky, you must
- a. Center the Bucky-tray to the tube
  - b. Center the film to the table
  - c. Lock the film in the Bucky-tray, then center the tube to it
  - d. Center the film in the Bucky-tray
23. When placing films in the processor
- a. Films should follow each other immediately
  - b. One film at a time, listening for a bell prior to putting in another
  - c. White lights must be on, so no mistakes are made
  - d. No light whatsoever is allowed
24. The major KVP knob allows for changes in
- a. Increments of two
  - b. Increments of five
  - c. Increments of ten
  - d. Increments of 15%
25. The number one method to reduce your exposure to radiation is to
- a. Collimate
  - b. Hold patients
  - c. Wear your film badge
  - d. Gonad shielding
26. During an exposure, it is permissible to have people in the X-Ray room
- a. Only during lab assignments
  - b. Never
  - c. To accompany the patient
  - d. To see the X-Rays
27. During a fire drill, students should
- a. Exit the classroom yet stay as a group
  - b. Exit the classroom and go their separate ways
  - c. Drop and cover
  - d. None of the above

28. For any electrical problems, it is best to
- a. Exit the room
  - b. Turn off the circuit breaker
  - c. Turn off the equipment
  - d. Get the fire extinguisher
29. The closest fire extinguisher for the classroom is in the
- a. Darkroom
  - b. X-Ray room
  - c. Classroom
  - d. Classroom next door

\_\_\_\_\_

\_\_\_\_\_

<b>Student</b>	<b>Instructor</b>
<p>THIS IS TO CERTIFY that I have received instructions on safety precautions in my X-RAY Technology class.</p> <p>The teacher demonstrated to me how to use tools, equipment and chemicals safely and correctly. I will observe all safety precautions. If ever in doubt regarding any operations, I will obtain the necessary information from my teacher.</p>	<p>THIS IS TO CERTIFY that</p> <p>_____</p> <p style="text-align: center;">(name of student)</p> <p>has been given safety instructions in my class.</p> <p>I demonstrated the proper use of tools, equipment and chemicals in the class and this student passed this written safety test with 100% accuracy.</p>
<p>_____</p> <p style="text-align: center;">(Student Signature)                      (Date)</p>	<p>_____</p> <p style="text-align: center;">(Teacher Signature)                      (Date)</p>