

16 HOISTING AND CONVEYING EQUIPMENT

QUIZ 1 (19 POINTS TOTAL)

True/False (5 points)

1. Each crane signaler should have his (or her) own armband or badge of authority.
 - a. true
 - b. false
2. A STOP signal to the crane operator should be obeyed regardless of who gives it.
 - a. true
 - b. false
3. An overhead crane may be operated only from the floor.
 - a. true
 - b. false
4. Storage bridge cranes may have a span of 300 feet.
 - a. true
 - b. false
5. The principal hazards of escalators arise from misuse by the public.
 - a. true
 - b. false

Multiple Choice (4 points)

6. Why should large load hooks on cranes have handles?
 - a. for precision guidance
 - b. to be visually distinguishable
 - c. to prevent overrunning safe limits
 - d. to prevent crushed fingers
7. How many wraps should normally remain on the drum when the load block is at the lowest elevation?
 - a. four
 - b. three
 - c. two
 - d. one
8. What amount of wear from the original sectional dimension will cause a hook to be removed from service?
 - a. more than 35 percent
 - b. exceeding 10 percent
 - c. over 20 percent
 - d. none of the above

9. Which of the following is not one of the principal types of derricks?
- a. A-frame
 - b. stiff-leg
 - c. stanchion
 - d. guy

Short Answer (9 points)

10. Why do the control cords of rope-operated electric hoists have handles with different contours?

11. What are the three general types of chain hoists?

12. What is a hoist limit switch?

13. Describe a jib crane.

14. What are guy derricks generally used for?

15. What should a capacity chart indicate for the operator?

16. List five types of common conveyors.

17. What is the major hazard of a screw conveyor?

18. What particular hazard do spiral chute conveyors present?

Short Essay (1 point)

19. What procedure should be followed whenever the operator leaves the crane?

QUIZ 2 (14 POINTS TOTAL)

True/False (3 points)

1. Hoist operators should pick up a load only when it is directly under the hoist.
 - a. true
 - b. false

2. Flag signals to the crane operator are the preferred method of communicating.
 - a. true
 - b. false

10. What are the two parts of training for a crane operator?

11. What are the “trademarks” of a careless crane operator?

12. What could happen if a boom is swung too rapidly?

13. What are three common causes of serious injuries on conveyors?

Short Essay (1 point)

14. Generally, what are the minimum requirements for operators of hoisting equipment?