

Participants Name:

Test Date:

Company Name:

Location:

Score:

Crane Operator's Permit Issued on

Date: Instructor:

1. A Top Running Overhead Crane is any crane that runs on two parallel runway beams over your head.

- a. True
- b. False

2. An overhead crane that rides on the bottom or lower flange of the two runway beams is considered to be an:

- a. Top running.
- b. Under-hung crane.
- c. Jib crane.
- d. All of the above.

3. At the beginning of your shift your supervisor has instructed you to move a large motor from point A to point B with your crane; you should first:

- a. Perform a daily crane inspection.
- b. Read the crane operators manual.
- c. Go get the proper rigging.
- d. None of the above.

4. When performing a daily crane inspection which of the following items shall you check?

- a. Hook
- b. Wire-rope or chain
- c. Limit switch
- d. All of the above

5. The hoist upper limit switch can be used as a stop only when the hoist is equipped with a backup limit switch.

- a. True
- b. False

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6. The hoisting drum shall have a minimum of wraps left on the drum when the hook is in its lowest position.

- a. 6
- b. 4
- c. 2
- d. 3

7. You have completed your daily inspection and found the hook throat opening to be greater than 15 percent, what should you do?

- a. Use the crane anyway, because you need to move the load
- b. Use the crane first and then tag it out of service
- c. Repeat the daily inspection procedure
- d. Tag the crane out of service and report the defect to your supervisor

8. You should never travel with a suspended load over a person.

- a. True
- b. False

9. A hook with more than a \_\_\_\_\_ degree of twist shall be removed from service.

- a. 10
- b. 15
- c. 20
- d. 12

10 A crane control shall be

- a. Color coded and shock resistant
- b. Color coded and clearly marked
- c. Permanently identified by function and direction
- d. Painted yellow for safety

11. The maximum capacity of an overhead crane shall be clearly marked on of the bridge, and the markings shall be large enough to be visible from the floor.

- a. Both sides
- b. One side
- c. Top flange
- d. Bottom flange

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12. It is ok to operate a crane that has been tagged out of service, if you will only be using it for a short period of time.

- a. True
- b. False

13. Warning lights and sirens mounted on your crane are used to and shall be maintained in good operating condition.

- a. Decorate the crane and alert employees of quitting time
- b. Warn other employees in the area of crane movement
- c. Light up the work area and warn employees the boss is coming
- d. None of the above

14. When traveling with a load the crane operator shall jog the forward and reverse buttons to prevent swing.

- a. True
- b. False

15. A crane operator is about to unload a large item from the bed of a flatbed truck, he needs to know the weight of the load he is about to hoist; this information can be found by checking:

- a. The shipping documents.
- b. A manufactures tag.
- c. Weighing the load to be lifted.
- d. Either (a) or (b).

16. All hooks need to have a safety latch.

- a. True
- b. False

17. When load testing an overhead crane, the test load shall not exceed percent of the maximum rated capacity, unless the manufacturer or a structural engineer approve the load test.

- a. 80
- b. 100
- c. 110
- d. 125

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18. A qualified crane operator will perform a daily inspection prior to operating his or her crane, no matter how much of a hurry he or she is in.

- a. Only if the boss approves
- b. Because it looks good for the safety department
- c. Always
- d. None of the above

19. A qualified crane operator shall have use of the following:

- a. Use of all four limbs.
- b. Vision required for a valid Michigan driver's license.
- c. Valid Michigan driver's license.
- d. (a) and (b).

20. Crane operators must be trained to use a fire extinguisher.

- a. True
- b. False

21. When is side pulling allowed in safe crane operations?

- a. Always
- b. Sometimes
- c. Only if established by a qualified person
- d. Never

22. The bottom block is a very important component of an overhead crane. Which other component is directly connected to the bottom block?

- a. Sheaves
- b. Limit switch
- c. Hook
- d. Both (a) and (c)

23. You have just inspected your crane and you have found what is referred to as a birdcage, where on the crane did you find it?

- a. The bridge
- b. The hook
- c. The wire rope
- d. The sheave

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24. A competent crane operator is one who is?

- a. Knowledgeable
- b. Well trained
- c. Qualified
- d. All of the above

25. A load should be hoisted up as high off the ground as possible, and as close to the upper limit switch as possible, prior to traveling with the crane.

- a. True
- b. False

26. Exceeding the maximum capacity of the crane on occasion won't hurt the equipment and won't put the operator at risk.

- a. True
- b. False

27. While inspecting the crane hook you notice the safety latch is sprung wide open, past the tip of the hook. The safety latch appears to be in good condition, what could be the problem?

- a. The hook is stretched past 15 degrees
- b. The bottom block is twisted
- c. The safety latch is not the correct size
- d. Either (a) or (c)

28. When the hoisted load is lowered, the bottom block drifts when you let go of the button on the pushbutton control. What could be the cause?

- a. Brake is adjusted too tight
- b. Brake is adjusted too loose
- c. Limit switch not properly set
- d. Wire rope is too long

29. The employer does not have to have a manual from the crane manufacturer available for the operator's reference at the work site.

- a. True
- b. False

30. When the top of the load is over 5 feet, it is an overhead hazard, and head protection is required.

- a. True

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b. False