MA 3A Hoisting License Prep

Practice Questions & Answers — CiteFly Safety Services · (508) 500-6447 · citefly.com
Correct answers are highlighted in green.

1. State & Federal Rules & Regulations

1. How often do you need to renew your license?

A. Once a year
B. Every 4 years
C. Every 2 years (correct)
D. You do not need to renew your license

2. What is Mgl c.146 , 53-53AE?

A. OSHA regulations
B. Chapter covering hoisting in ma (correct)
C. ANSI standards
D. ASME standards

3. Whoever violates any provision of section 53,53a or 54, or any rule or regulation made thereunder, shall be punished by a fine of not less than:

A. $ 500 and not more than $ 3000, or by imprisonment for not more than 3 months or both such fine and imprisonment. (correct)
B. $ 100 and not more than $ 1000, or by imprisonment for not more than 1 months or both such fine and imprisonment.
C. The State can not give fines or imprisonment
D. $ 5,000 and not more than $ 30,000, or by imprisonment for not more than 30 months or both such fine and imprisonment.

4. Whoever prevents or attempts to prevent any inspector from entering on any premises in the discharge of his duty shall be punished by a fine of not less than:

A. The State can not give fines or imprisonment
B. $25 and not more than 300, or by imprisonment for not more than 1 months or both such fine and imprisonment
C. $25,000 and not more than 300,000, or by imprisonment for not more than 36 months or both such fine and imprisonment
D. $250 and not more than 3000, or by imprisonment for not more than 3 months or both such fine and imprisonment (correct)

5. What is 230 CMR 6.00

A. OSHA Regulations
B. Code of Massachusetts Regulations (correct)
C. ASME Standards
D. ANSI Standards

6. If the state of MA fines you for not having a license, will you get fired from your job?

A. Yes
B. No (correct)

7. Does the hoisting license need to be carried on the person who is operating hoisting equipment?

A. Yes

B. No (correct)

8. What types of machinery needs a MA Hoisting License?

A. Minimum capability of hoisting the load higher than ten feet, and either the capability of lifting loads greater than 500 pounds or the capacity of the bucket exceeds ¼ cubic yards. (correct)

B. All equipment that hoists over 10 feet that weighs over 10,00 ponds.

C. Minimum capability of hoisting the load higher than five feet, and either the capability of lifting loads greater than 1,000 pounds or the capacity of the bucket exceeds ½ cubic yards.

D. Minimum capability of hoisting the load higher than twenty feet, and either the capability of lifting loads greater than 250 pounds or the capacity of the bucket exceeds 1 cubic yards.

9. Any incident which results in serious injury, property damage, or any condition that is necessary for the preservation of the public health or safety at a site where hoisting machinery is operational shall be reported by the licensee operating the hoisting machinery or owner or owner's representative to the Department through the Department Incident Hotline at (508) 820-1444 within what time frame?

A. 24 hours

B. 12 hours

C. 1 hour (correct)

D. Immediately

10. What does the State mandate happen to equipment resulting in serious injury or death.

A. Cleared from the accident scene

B. Shall not be moved or dismantled from the site of the incident until the Department has investigated the incident. (correct)

C. Taking off site

D. Trailered to the company that owns it ASAP.

11. What MA regulations cover the Hoisting License?

A. 230 CMR 6.00 (correct)

B. OSHA 1926.1400

C. ANSI A92.2

D. ASME B30.20

12. What type of equipment is covered under the MA 3A Hoisting License?

A. Overhead Cranes

B. Electric hoisting equipment

C. Pneumatic hoisting equipment

D. All of the above (correct)

13. Does one need a MA hoisting license to operate equipment on private property?

A. Yes (correct)

B. No

14. What is needed to apply for your MA 3A Hoisting License?

A. Notarized letter from your employer stating that you work with this type of equipment

B. A legible copy of a valid driver's license, driver's license learner's permit, or a valid Massachusetts ID (correct)

C. Proof of more than 2 years of experience

D. Passport

15. What age do you need to be to apply for you MA hoisting license:

A. 18 (correct)
B. 21
C. 14
D. Any age

16. What is the purpose of 230 CMR 6.00?

A. The State is mandated by the Federal Government to have Hoisting Laws
B. Prevent too many people from getting there Hoisting License
C. To protect the public safety of the citizens of the Commonwealth (correct)
D. Generate revenue for the Commonwealth

17. What standard is used for Rigging equipment for material handling?

A. OSHA 29 CFR 1926.251 (correct)
B. ASME B30.20
C. ANSI A92.2
D. MA 230 CMR 6.00

18. All welding and cutting on excavation equipment shell be done in accordance of what standard.

A. Ansi A92.2
B. MA 230 CMR 6.00
C. Section IX of ASME Code (correct)
D. OSHA Sub Part CC

19. What OSHA standard covers Overhead Cranes?

A. OSHA 1926.1400
B. OSHA 1910.179 (correct)
C. OSHA 1910.178
D. OSHA 1910.552

2. Basic Requirements for Hoists

20. Should the minimum drum diameter on an overhead crane should be 15 times the rope diameter?

A. Yes (correct)
B. No

21. You need to use grade 8 bolts to anchor the winch/hoist?

A. True (correct)
B. False

22. What technique should be used to connect a wire rope to a drum?

A. Weld
B. Brade the individual strands of the rope together
C. Wedges, u-bolt, or clips and clamps (correct)
D. Fuse together

23. How do you know what air pressure is needed for best performance on an air powered crane/winch?

A. Manufacturer's Specifications (correct)
B. Off an internet forum
C. Trial and Error
D. Word of mouth

24. On an overhead crane what should the minimum and maximum fleet angels be?

A. 1 degree to 4 degrees
B. ¼ degree to 2 degrees (correct)
C. Not relevant
D. ½ degree to 1 ½ degrees

3. Overhead & Gantry Crane Operation

25. Is it safe to operate the overhead crane at full speed?

A. Yes
B. No (correct)

26. Are you allowed to lift people with the air winches or hoists?

A. Yes
B. No (correct)

27. Who can give the operator hand signals?

A. Management
B. Co-Worker
C. Owner
D. Signal person (correct)

28. Can any one give the emergency stop signal and it needs to be obeyed?

A. Yes (correct)
B. No

29. If you increase the pressure applied to the pendant button you will increase the speed of the crane.

A. True (correct)
B. False

30. When Lifting loads at or near capacity, test the hoist brakes by returning the master switch or push button to the "OFF" position after raising the load a few inches off the floor?

A. True (correct)
B. False

31. What happens when you have a wire rope that is reverse reeved?

A. It travel smother
B. It travels faster
C. When you push hoist up it goes down and when you push hoist down it goes up (correct)
D. No effect

32. Overhead cranes that have electric motors are protected by ___ to prevent too much current?

A. Thick electrical wire
B. Fuses (correct)
C. On/Off switch
D. 2nd motor

33. Can you weld attachments to the hook of a crane?

A. Yes
B. No (correct)

34. With gantry cranes what would the runway that it travels across be called?

A. Beams
B. Ceiling
C. Rails (correct)
D. Posts

35. While lowering the block/hook of the overhead crane you should never exceed less than __ wraps on the drum.

A. 1
B. 3 (correct)
C. 2
D. 5

4. Hoist & Crane Inspection

36. While performing your inspection of the overhead crane you should?

A. Let OPSI know.
B. Block off the area
C. Shut the power off (correct)
D. Notify your co-workers

37. Is it safe to use the upper limit switch during normal operation to stop the crane?

A. Yes
B. No (correct)

38. What should an operator do to a failed or unsafe rope?

A. Tag it Out
B. Cut it up into little pieces
C. Leave it for the mechanic
D. Both A & B (correct)

39. Should you check the hoist limit switch every shift?

A. Yes (correct)
B. No

40. While operating the overhead crane what should be in clear view?

A. Manufactures load rating plate or load chart (correct)
B. Your Manager
C. Manual
D. Annual inspection form

41. Rigging hooks need to have the following to keep slings in place?

A. Rubber band

B. Safety latch (correct)

C. Nothing is needed

D. Rope

42. What is the best way to test a limit switch on an overhead crane?

A. Check the annual inspection report

B. Jiggle the wire rope to trigger it

C. Slowly move the block/hook into it. (correct)

D. As a supervisor

43. Can a wire rope fail if you lose elasticity?

A. Yes (correct)

B. No

5. Slings, Rigging & Load Weights

44. What should be placed in the eye when a rope is being attached to the hook?

A. Bolt and Nut

B. Safety clip

C. Thimble (correct)

D. Elastic

45. Will the safe working load of the rigging hook change if you are moving the load outside the saddle of the hook?

A. Yes (correct)

B. No