

O & M Industries Safety test

Name: _____ Date: _____

The following test is intended to be “open book”. Test takers should not converse with others, but may use books or electronic means to find answers.

1. Who is responsible for ensuring that PPE is available and properly used by workers?

- a. Employees
- b. Host facility
- c. Supervisors
- d. Safety person
- e. OSHA or MSHA inspector

2. What is the number that must be found on the frame of glasses if they are indeed safety glasses?

- a. ANSI Z87
- b. ANSI Z82.5
- c. NIOSH 105
- d. OSHA 412

3. How can a worker ensure that a rope will hold a load? (Choose all that apply.)

- a. Check the rated load capacity
- b. Use two ropes
- c. Inspect rope for defects prior to use
- d. Tie knots to strengthen weak spots

4. NFPA Diamond: Blue signifies _____ and is on located on the _____.

5. NFPA Diamond: Red signifies _____ and is on located on the ____.

6. NFPA Diamond: Yellow signifies _____ and is on located on the ____.

7. Numbers on the NFPA Diamond: 0 is _____ hazardous and 4 is _____ hazardous.

8. NFPA Diamond: Bottom diamond is reserved for _____ such as _____.

9. Match the fire extinguisher with its type of use. (Draw lines)

Extinguisher type:

Fuel type:

Fire Extinguisher Type A
Fire Extinguisher Type B
Fire Extinguisher Type C
Fire Extinguisher Type D

Heavy metals
Electrical equipment
Ordinary combustibles
Flammable liquids

10. At what temperature do Heat Illness Prevention measure have to be implemented? _____

11. O & M Industries' Heat Illness Prevention Program includes:

- a. Provision of shade for all workers who might be on break
- b. Drinking water as close to work area as possible
- c. Training for all workers
- d. The opportunity to rest if needed
- e. Emergency procedures
- f. All of the above

12. What is the proper height range in California for a top rail in a guardrail system?
_____.

13. What is the proper height in California for a guardrail system mid rail?
_____.

14. What should you do with tool owner's manuals? (Two answers are correct)

- a. Go over them with the workers
- b. Assume that they are somewhere on the jobsite, and workers will go over them as needed
- c. Keep them where the tool is stored for reference.
- d. Put them in the safety binder.

15. An OSHA compliance officer issues a citation. Who is financially responsible?

- a. The offending employee
- b. The Employer
- c. The Foreman
- d. The Superintendent

16. When monitoring a confined space, what does a 4-gas monitor check for? (Circle all that apply)

- a. Temperature
- b. Oxygen Deficiency
- c. Carbon Monoxide
- d. Lower flammable limit
- e. H2S
- f. Smell

17. Before entering a permit-required confined space, the attendant and entrants need to agree on a method of continuous communication.

True False

18. Supervisors must confirm that operators have been trained to use the following equipment: (circle all that apply)

- a. Forklift
- b. Boomlift

- c. Scissor lift
- d. Lunch box

19. If an instrument measuring flammable gas (LFL) reads 30%, what does the 30% represent?

_____.

20. What is the state of gas above the upper explosive limit? _____

- a. Explosive
- b. Not explosive

21. High heat procedures must be in place when the temperature reaches _____.

22. What measures must be taken when high heat procedures are required? (Circle all that apply)

- a. Water, shade, rest breaks according to O & M procedures
- b. Extra Gatorade
- c. A confirmed ability for all workers to communicate with their supervisors.
- d. A means to observe employees and encourage them to drink water

23. What does IDLH stand for? _____

24. Maximum depth of a trench before a ladder is needed for access and egress is _____.

25. Maximum depth of a trench before shoring is required is _____.

26. Who can supervise the erection of a scaffold?

- a. A good Carpenter,
- b. A foreman trained to use scaffold,
- c. Any competent construction worker.
- d. A person qualified by training and authority to erect scaffold

27. Which answer does NOT apply to guardrails required for scaffolds?

- a. Handrails,
- b. Mid rails,
- c. Toe boards
- d. Plywood walls

28. What is the most important key factor for implementing a good safety program.

- a. Scaring workers into compliance,
- b. A good incentive program,
- c. Getting foremen and supervisors involved
- d. Lots of BBQ's.

29. What is the maximum distance between ladders used for access and egress into a trench? -

_____.

30. Handrails should be capable of withstanding ____ lbs of force.

31. Oxygen and Acetylene cylinders must be stored at least _____feet apart.

32. Who is responsible for confirming the weight of a load to be lifted by the crane?

- a. The riggers
- b. The signal person
- c. The operator
- d. The crew leader

33. A crane operator with a lot of skill and experience may lift a load that is outside of the parameters given on the load chart.

True False

34. What color tape is used to identify dangerous areas that should not be entered?

- a. Red
- b. Blue
- c. Yellow
- d. Orange

35. Which would be most likely to produce severe injuries or a high probability of accidents? Check those that apply

- a. Unusual non-routine tasks
- b. Complacency on common tasks
- c. Small unusual tasks,
- d. Jobs that don't require PPE

36. No more than ____ gal of flammable or combustible liquids shall be stored in a room outside of an approved storage cabinet.

37. OSHA recommends __ foot candles for outdoor active construction work.

38. All electric equipment used in construction must be GFCI protected.

True False

39. Which of the following would indicate the need for an ambulance to be called?

- a. A fall from a 20 foot height
- b. A worker with a bleeding finger that hurts a lot
- c. A worker exhibiting signs of a decreased level of consciousness
- d. An obviously broken wrist
- e. Chest pain or difficulty breathing with no known cause

- f. All of the above
- g. a, c and e

40. Any injury that doesn't warrant a call to 911 should go straight to the clinic.

True False

41. CO is particularly dangerous because it keeps red blood cells from carrying oxygen to all cells.

True False

42. H2S smells like rotten eggs, but when the smell goes away you are out of danger.

True False

43. Maximum allowable continuous noise level is _____decibels.

44. What does NRR on the earplugs box stand for?

N_____ R_____ R_____

45. Workers can be lifted on the forks of a forklift:

- a. If they are tied to the mast
- b. If they are standing on a pallet
- c. Never
- d. If they are inside a manufacturer approved basket that is attached to the forks.

46. Heavy sweating, racing pulse, weakness, nausea, and headache are symptoms of what heat-related disorder?_____

47. Altered level of consciousness is a symptom of what heat-related disorder?

48. Scissor lifts, forklifts and Boomlifts msut be inspected:

- a. Once a month
- b. Once a week
- c. Prior to each shift
- d. Only by shop personnel

49. Who is in charge of the jobsite emergency response plan?_____

50. Which are possible routes of entry into the body by chemical components? (circle all that apply)

- a. Inhalation

- b. Absorption
- c. Ingestion
- d. Osmosis

51. Place the following in the proper order for controlling hazards: Hazard elimination, Engineering controls, and PPE.

1. _____ 2. _____ 3. _____

52. Removing sharp edges, reporting and fixing loose floor boards, and securely covering holes in the floor are examples of:

- a. Personal Protective Equipment
- b. Administrative Controls
- c. Engineering Controls
- d. Hazard Elimination

53. Which of the following are needed to use an already erected scaffold system? (Circle all that apply).

- a. Be trained in that system.
- b. Pre-shift inspection.
- c. The right tools
- d. A scaffold user license

54. Rolling scaffolds taller than 4 feet should never be “ridden” or “surfed”.

True False

55. You can use a ladder on a rolling scaffold to extend reach.

True False

56. What is true of tying off while on a suspended scaffold?

- a. Must have an independent lifeline
- b. No tie off is needed
- c. Tie off to the rail is good enough
- d. Tie off to the winch

57. Toe boards are required at scaffolding edges:

- a. When people are required to work or pass under scaffold
- b. When the scaffold is 10 feet high
- c. Always
- d. Only on wooden planked scaffold

58. O & M Industries jobsite requirements for hard hat and safety glasses are:

Rev. 4.5.16

- a. At the discretion of the crew leader
- b. Only required if the owner says so
- c. Mandatory on all jobsites.
- d. Optional

59. Supervisors must know the weight capacity of a scaffold that will be used by their crews.

True False

60. How frequently shall scaffold systems be inspected?

- a. Monthly
- b. Prior to each shift by a competent person
- c. As needed
- d. When loading it near capacity

61. _____ are the leading cause of injuries and fatalities in the construction industry

- a. Falls
- b. Burns
- c. Moving parts
- d. Electrocutions

62. Ladders must be inspected how often?

- a. Monthly.
- b. Annually,
- c. Every 6 months
- d. Prior to each shift if in use

63. All self-propelled boom lift equipment requires operators and riders to be tied off to an anchorage point within the basket.

True False

64. Maintain ___ ft of clearance from overhead powerlines up to 50 kV, further for higher kV.

65. Outriggers should used:

- a. In accordance with charts and specifications for the crane.
- b. When the load it too heavy for the crane
- c. Every time the crane is used to lift a load
- d. Only with cribbing.

66. What can cause sideloading? Circle all that apply:

- a. Crane is out of plumb
- b. When load is uneven
- c. When swinging loads
- d. Windy conditions

67. The correct way to protect someone from being struck by a crane counterweight is to flag off a worker safety zone.

True False

68. A critical pick is one exceeding ____% of the load chart value.

69. At O & M Industries, only NCCCO certified operators may operate cranes over 2000 pound capacity.

True False

70. Crane operator certification lasts for ____ years

71. Some modern tools don't have grounds, but protect workers with _____.

- a. Thick handles
- b. Guards
- c. Double insulation
- d. High speed

72. The definition of a confined space includes: (Check all that apply)

- a. Has a bad smell
- b. Is small
- c. Has limited means of entry and exit
- d. Is big enough to bodily enter
- e. Is not meant for continuous human occupancy
- f. Has no ventilation

73. At O & M Industries, all confined spaces are atmospheric tested and a checklist is completed.

True False

74. What conditions cause a confined space to be permit required: (Circle those that apply)

- a. Hazardous or potentially hazardous atmosphere.
- b. Contains materials that could engulf the worker (sand, water).
- c. Shaped in a way that could trap the worker.
- d. Has other hazards (heat, cold, machinery, etc.).
- e. Host facility request
- f. Difficult egress in case of emergency

75. An Injury and Illness Prevention plan contains which of the following? (Circle those that apply)

- a. Responsibilities
- b. Communication procedures
- c. Site inspection requirements
- d. Operational plans
- e. Disciplinary procedure
- f. Maps to the jobsite

76. A general contractor can be held responsible for the actions of his subcontractor.

True False

77. All sites with 5 or more workers must have bathrooms and a wash station.

True False

78. The Permissible Exposure Limit (PEL) for asbestos is _____.

79. The PEL for lead is: _____

80. Silica exposure comes from:

- a. Masonry/concrete dust
- b. Dirt
- c. Rotting vegetation
- d. Oil residue

81. Hazards associated with a crane's rotating superstructure include: (circle all that apply)

- a. Striking and injuring a worker
- b. Crushing someone against another part of the crane or other object
- c. Striking another piece of equipment
- d. Getting lost

82. Respirators may only be worn by medically cleared and fit tested workers.

True False

83. Voluntary use of dust masks is Ok without fit testing.

True False

84. Workers wearing respirators may not have beards.

True False

85. Check all that apply regarding forklifts:

- a. All operators must be trained
- b. Weight capacity is identified on a plate attached to the lift
- c. They can left personnel on a pallet
- d. They must be inspected prior to each shift
- e. Gas lifts are good indoors

86. MSHA and OSHA have the same rules.

True False

87. Review of the MSHA section in the O & M binder is mandatory prior to working in a mine.

True False

88. MSHA inspectors will overlook very minor defects in equipment if the supervisor is nice to the inspector.

True False

89. If an MSHA inspector finds a worker using a tool without its guard, the worker gets the fine.

True False

90. MSHA requires daily inspections for which of the following vehicles?

- a. Pick up trucks
- b. Forklifts
- c. Scissorlifts
- d. Cranes
- e. Boomlifts
- f. All of the above

91. Protection from injury from accidentally moving parts while working on conveyer is accomplished by using what procedure? _____ - _____.

92. When is a Permit and Firewatch required according to O & M Industries Hotwork procedure?

93(a). Fall PREVENTION is accomplished with _____

- a. Guardrails
- b. Harness lanyard and anchor
- c. Nets
- d. Ladders

93(b). Fall ARREST is accomplished with _____?

- a. Guardrails
- b. Harness lanyard and anchor
- c. Nets
- d. Ladders

94. Anytime a worker has to work at a level of _____ or higher, fall prevention or arrest must be in place.

95(a). How often do fire extinguishers have to be inspected in the field? _____

95(b). How often do fire extinguishers have to be inspected by a certifying entity? _____

96. A plan for rescue/retrieval must be made and discussed with all workers when:

- a. Working with fall arrest equipment
- b. Working inside a boiler or digester
- c. Working in any confined space, including trenches
- d. All of the above

97. A supervisor must examine every work site for hazards prior to assigning workers.

True False

98. Supervisors must confirm that SDS sheets are readily available for all chemicals on site.

True False

99. Under the Global Harmonizing system (GHS) the pictogram with a skull and crossbones indicates acute toxicity.

True False

100. If an OSHA inspector asks, supervisors must provide a copy of: (Circle those that apply)

- a. The complete safety binder
- b. The list of contents of the first aid kit
- c. O & M Industries IIPP and Code of Safe Practices
- d. O & M Industries Heat Illness plan
- e. O & M Industries Emergency Response plan

Test administered/corrected by: _____

Initial score: _____

Score after review and correction: _____