

3 CONSTRUCTION OF FACILITIES

QUIZ 1 (20 POINTS TOTAL)

True/False (6 points)

1. “Hold Harmless” clauses are legal in all 50 states.
 - a. true
 - b. false

2. Many states have a single number to call for identifying water, electric, gas, and telephone lines, as well as piping and sewers.
 - a. true
 - b. false

3. If personnel are working in a trench that is deeper than 5 ft, it should be braced or have a trench slope.
 - a. true
 - b. false

4. Ladders used as accessways to an excavation sites should extend from the bottom of the trench to the edge of the trench.
 - a. true
 - b. false

5. Using the three-point control method while climbing ladders ensures that a worker’s center of gravity is within the siderails.
 - a. true
 - b. false

6. Before throwing a ladder away, you should cut it up.
 - a. true
 - b. false

Multiple Choice (6 points)

7. Most standard contract forms used today have a/an _____ clause that obligates contractors to pass the requirements of the contract down to lower tiers of all levels, including suppliers and subcontractors.
 - a. trickle down
 - b. flow down
 - c. obligatory
 - d. compensation

8. To get an accurate snapshot of a contractor's loss experience of workers' injuries and the severity of those injuries, you should examine data from the contractor's OSHA 200 log covering a period of at least _____.
 - a. 12 months
 - b. 2 years
 - c. 3 years
 - d. 4 years

9. Who is responsible for minor demolition projects?
 - a. subcontractors
 - b. specialists
 - c. facility personnel
 - d. none of the above

10. When demolishing a structure, the public and unauthorized employees should be kept at least _____ away from the structure.
 - a. 15 ft
 - b. 150 ft
 - c. 1,500 ft
 - d. none of the above

11. A diversion ditch is used to _____.
 - a. prevent surface water from entering an excavation
 - b. provide good drainage of the area adjacent to an excavation
 - c. both a and b
 - d. none of the above

12. Which should you use when erecting heavy loads of steel?
 - a. chains
 - b. rope
 - c. wire rope
 - d. wire rope slings

Short Answer (7 points)

13. Building codes and safety standards are two external forces that should be used by contractors and safety professionals to create a safe project. There are two equally important factors that are often overlooked. What are these two aspects?

Short Essay (1 point)

20. You are about to build a new warehouse and are concerned about the safety record of the contractors who would like to bid on your job. Write a brief questionnaire/prequalification form to a potential contractor. What questions would you ask? What materials would you require?

QUIZ 2 (20 POINTS TOTAL)

True/False (6 points)

1. On windy days, ladders should be used only for emergency purposes.
 - a. true
 - b. false

2. Wind load is also known as vertical force.
 - a. true
 - b. false

3. The total time it takes to train scaffold workers for encountering fall hazards should be no less than 8 hours.
 - a. true
 - b. false

4. During construction, priority should be given to building firewalls and stairway exits.
 - a. true
 - b. false

5. Gasoline-operated equipment can be refueled while the motor is running.
 - a. true
 - b. false

6. To clean equipment or parts, workers should not use solvents with flash points below 100 F.
 - a. true
 - b. false

Multiple Choice (6 points)

7. Which of the following ladders should be used when working near electrical hazards?
- a. plastic
 - b. fiberglass
 - c. wood
 - d. all of the above
 - e. a and c only

8. It is recommended that _____ employee/s should operate drilling and reaming machines.
 - a. only one
 - b. two
 - c. three
 - d. none of the above

9. Vehicles moving slower-than-normal traffic should have a _____ flashing light.
 - a. red
 - b. green
 - c. blue
 - d. yellow

10. Who must give permission to work on an operating crane runway?
 - a. contractor
 - b. supervisor
 - c. fellow workers
 - d. safety professional

11. The erection of masonry walls presents a unique hazard both to construction workers and facility personnel. Each masonry activity should have erected a “safe zone,” on the unscaffolded side, which is measured as _____.
 - a. the height of the wall
 - b. $\frac{2}{3}$ the height of the wall
 - c. the height of the wall plus 10 ft
 - d. none of the above

12. Do not store flammable and combustible liquids in quantities greater than required for _____ use in buildings under construction.
 - a. one day’s
 - b. one week’s
 - c. one month’s
 - d. one year’s

Short Answer (7 points)

13. List five safe practices for placement of ladder and/or for ascending and descending ladders.

Short Essay (1 point)

20. A job site you are working on requires the use of a crane basket. What is a crane basket? What are the minimum requirements for safe operation?