

Technical Rescue Awareness Quiz

- 1. If a trained rescuer were to perform a GO rescue on the ice, the minimum personal protective equipment should include:**
 - a. Thermal protection, ice picks, and fins
 - b. Flotation, ice picks, and a rope
 - c. Thermal protection, flotation, and a attached rope
 - d. Flotation, throw line, and a boat

- 2. The lower the sum of each factor and the sum of all the factors, the more urgent the situation is in reference to the relative urgency rating factors:**
 - a. True
 - b. False

- 3. Some common reasons for entering confined space include:**
 - a. General maintenance
 - b. Inspections
 - c. Training
 - d. All of the above

- 4. Planned community response includes which of the following tasks?**
 - a. Extinguish small fires
 - b. Turn off utilities
 - c. Observe and refer to Haz-Mat issues
 - d. All of the above

- 5. Awareness level training of the fire-rescue personnel for trench rescue is necessary because:**
 - a. OSHA regulations govern rescues of this type
 - b. Trench rescues are a risk in all jurisdictions
 - c. The hazards involved are not predictable to the untrained personnel
 - d. All of the above

- 6. According to NFPA 1670, personnel at the awareness level are generally _____:**
 - a. Considered to be rescuers
 - b. Not to be considered rescuers
 - c. Not to be allowed to help in any way
 - d. Never first on the scene of a technical rescue

- 7. What elements are necessary for safe surroundings at a technical rescue incident:**
 - a. Accountability
 - b. Evacuation, emergency procedures and notification
 - c. Personal protective equipment
 - d. All of the above

- 8. With the advent of new car technology, the location of the battery could be all except the following:**
 - a. In the trunk
 - b. In the wheel wells
 - c. In the dash board
 - d. Under the rear seat

- 9. The search method that utilizes teams made up of three to seven searchers that are widely spaced is a _____:**
 - a. Type I detection phase
 - b. Type II phase
 - c. Type III phase
 - d. Type IV phase

10. Structural decay is not one of the major causes of building collapse:

- a. True
- b. False

11. Since Illinois is not an OSHA state, rescuers are exempt from following the federal OSHA regulations in rescue situations:

- a. True
- b. False

12. Technical Rescue Awareness is intended to give the student an overview of hazards dealing with technical rescue:

- a. True
- b. False

13. For an incident to be considered a cold water drowning incident, the water temperature would not be any warmer than:

- a. 12 degrees
- b. 50 degrees
- c. 70 degrees
- d. 90 degrees

14. According to NFPA 1670 personnel at the awareness level are responders who _____:

- a. In the course of their regular duties, could be called to a technical rescue incident
- b. Could be the first on the scene of a technical rescue
- c. Are generally not considered rescuers
- d. All of the above

15. Illinois has adopted the federal OSHA regulations for trench operations through IDOL

- a. True
- b. False

16. The Authority Having Jurisdiction Should provide which of the following to awareness level personnel:

- a. Identify the hazards that may be encountered within its jurisdiction
- b. Advanced technical rescue training
- c. Technical rescue equipment
- d. None of the above

17. Personnel should make a hazard analysis and risk assessment at every technical rescue:

- a. True
- b. False

18. The search method that is comprised of searchers that are closely spaced looking for a small piece of evidence is a _____:

- a. Type I phase
- b. Type II phase
- c. Type III phase
- d. Type IV phase

19. There are three levels of scene safety for rescue personnel, bystanders, and patients. Which of the following priorities would the rescue personnel fall under:

- a. First priority
- b. Second priority
- c. Third priority
- d. Fourth priority

- 20. The primary hazard associated with permit required confined space is:**
- A fall
 - Slipping on the floor space
 - Hazardous atmosphere
 - Difficulty entering the space
- 21. Which of the following factors cannot be controlled by the rescuers:**
- Vibration
 - Previously disturbed soil
 - Superimposed loads
 - Accumulating water
- 22. Securing the area around the confined space incident would include:**
- Notifying additional resources
 - Establishing command
 - Setting up a rope system
 - Controlling access, traffic, and hazards
- 23. Which of the following would be an environmental concern to the rescue personnel at the scene of a multi-car accident:**
- Battery acid
 - Cold weather
 - Downed electrical wires
 - vehicle instability
- 24. What is the correct order of the four core elements of a wilderness search and rescue operation:**
- Locate, Reach, Stabilize, and Evacuate the victim
 - Stabilize, Locate, Reach, and Evacuate the victim
 - Locate, Reach, Evacuate, and Stabilize the victim
 - Locate, Stabilize, Reach, and Evacuate the victim
- 25. Trench rescues are particularly hazardous to the rescuers because:**
- The hazards involved are not predictable to untrained personnel
 - The equipment requirements are extensive and not commonly available
 - They are not common occurrences
 - All of the above
- 26. Shoring can be quickly accomplished with equipment and materials available at most lumber yards:**
- True
 - False
- 27. Construction problems can occur during concrete pours, while placing beams and trusses, while lifting concrete slabs, and due to staging of building materials for the job:**
- True
 - False
- 28. When the Incident Commander completes their scene survey of a vehicle accident, they should have looked at how many sides of each involved vehicle:**
- 2
 - 4
 - 6
 - 8
- 29. Trenches can collapse in less than_____:**
- 1 minute
 - 10 seconds
 - 1 second
 - 1/10 of a second

30. When determining if a vehicle has frontal restraint air bags, rescue personnel should find one of the following on the dashboard, steering wheel or VIN area except:

- a. SRS
- b. SIR
- c. ABS
- d. Air Bag

31. All four-core elements of a wilderness search and rescue operation take approximately the same time:

- a. True
- b. False

32. Body heat is lost to still water _____ times as fast as to still air of the same temperature:

- a. 2
- b. 5
- c. 10
- d. 25

33. Witness interviews, bystander interaction, and patient contact are all part of scene control:

- a. True
- b. False

34. When considering the Time of Day that a structure collapsed, it is critical to include occupancy type:

- a. True
- b. False

35. The Definition of a permit required confined space is:

- a. A confined space that has additional significant health and safety hazards
- b. Any space that is difficult to enter
- c. Any place that has a bad atmosphere
- d. None of the above

36. As the Authority Having Jurisdiction at a drowning incident, you should consider requesting resources such as:

- a. Boats equipped with drag hook capabilities, an ambulance for each victim and rehab personnel
- b. Boats, divers, and media representatives
- c. Divers, support personnel, rehab equipment and personnel, and an ambulance for each possible victim and one for dive support
- d. Boats, helicopter transport for patients, ad support for family members

37. Ponds, lakes, rivers, and streams are considered to be a/an _____ hazard:

- a. personal
- b. Environmental
- c. Terrain
- d. Man made

38. The Authority Having Jurisdiction does not need to conduct a Hazard Analysis of their response area:

- a. True
- B. False

39. Statistics have shown that as many as 90% of deaths in a confined space are attributed to:

- a. Fall hazards
- b. Drowning
- c. Atmospheric hazards
- d. Unspecified safety hazards

40. The process of gathering information to do an accurate assessment of the situation can take place in what component of a wilderness search and rescue operation:

- a. Pre-planning
- b. Notification
- c. Planning and Strategy
- d. Tactics

41. When a reported problem is unconfirmed or seems likely to resolve itself, a _____ response occurs:

- a. Recovery
- b. Emergency
- c. Evaluative
- d. Measured

42. OSHA defines a trench as an excavation that is _____ than it is _____ and is less than fifteen feet wide:

- a. Wider, long
- b. Longer, wide
- c. Deeper, wide
- d. Wider, deep

43. Shoring is only strong enough to stop soil from starting to move

- a. True
- B. false

44. As many as _____ percent of would-be rescuers have died in confined spaces:

- a. 50
- b. 65
- c. 25
- d. 90

45. When staffing of fire/rescue personnel becomes very minimal, the use of what item may be used to help control traffic and provide safety for the scene:

- a. Emergency apparatus
- b. Traffic flares
- c. Civilian personnel
- d. Uninjured patients

46. Initial responsibilities of Incident Command at the scene of a trench should include all except:

- a. Controlling the scene
- b. Calling for necessary resources
- c. Directing an initial "fast attack" rescue attempt
- d. Establishing control zones and initial command sectors

47. Training in a confined space

- a. Would be against the law
- b. Is considered an actual entry, governed by OSHA law
- c. Should not be done
- d. May be done at any time since we are not an OSHA state

48. Flash flooding, rapid water rise, high velocity flow and a wall of water effect can be examples of _____ flooding:

- a. Coastal
- b. Flash
- c. Ravine
- d. Spring

49. NFPA recognizes three levels of Operational capability “Awareness, Operations, and Technician”:

- a. True
- b. False

50. First in companies at trench rescues can perform which of the following tasks:

- a. Marking victim position
- b. Attempt an entry rescue
- c. Move large equipment
- d. All of the above

51. Which of the following is not a basic method for establishing a search area:

- a. The Theoretical method
- b. The Statistical method
- c. The mattson method
- d. The analytical method

52. Transportation accidents usually have no impact on structural integrity:

- a. True
- b. False

53. Which agency is responsible for assessing the need for disentanglement activities to free a trapped patient:

- a. Rescue and extrication team
- b. Emergency medical personnel
- c. Fire department personnel
- d. Police department personnel

54. The authority of all military forces with civilian inland search, wilderness search and rescue is the responsibility of the:

- a. Air force
- b. Marines
- c. Army
- d. Coast Guard

55. Undisturbed clay is an example of what class of soil:

- a. A
- b. B
- c. C
- d. D

56. OSHA defines a trench as an excavation which is deeper than is wide, and is less than _____ feet wide:

- a. 15
- b. 20
- c. 5
- d. 10

57. As a first responder trained to the awareness level, you arrive at an incident involving a child through the ice, who is still holding onto the ice shelf you should:

- a. Request personnel and equipment for a reach or throw rescue only since that is usually very successful
- b. Request a technician trained in surface rescue only since a reach or throw rescue is not likely successful
- c. Request a boat based rescue only since **GO** rescues are very dangerous
- d. Request technician trained in surface **GO** rescue and ice divers while reach and throw rescues are attempted

- 58. Most rescuer deaths in trench rescues are due to:**
- Secondary collapse
 - Falling objects
 - Inadequate air quality
 - Inadequate fall protection
- 59. Building collapse due to explosion is normally caused by which of the following:**
- Natural gas build ups
 - Propane build ups
 - Smoke explosion
 - All of the above
- 60. The sudden release of a shock absorbing bumper from a fire can have a strike zone of ____ feet:**
- 30
 - 50
 - 70
 - 100
- 61. In water rescues, rescuers should wear PFD when they are working:**
- In or near the water or while working on a boat
 - As a boat operator only
 - As a **GO** rescuer only
 - As a line tender or boat operator only
- 62. An average cubic foot of soil weighs ____ pounds and can collapse in less than ____:**
- 100, 2 seconds
 - 50, 1 minute
 - 100, 1 second
 - 200, 1 second
- 63. When interviewing witnesses to a possible drowning incident, it is usually best to:**
- Interview each witness separately, to collect their personal information, and to keep them at the scene as long as possible
 - Interview the witnesses as a group, collect their personal information, and stage them in the cold zone as soon as possible
 - Collect all the witnesses in one central location so they can be interviewed as needed
 - Avoid open ended questions and collect their personal information, so they can be removed from the hot zone as soon as possible
- 64. The Subjective Method is a basic method used for establishing a search area:**
- True
 - False
- 65. Accumulating water in a trench is dangerous due to:**
- Weakening of trench walls, leading to a collapse
 - Tendency of trench was to be pulled by the seeping water into the trench
 - Possible entrapment and drowning
 - All of the above
- 66. The minimum amount of sectors required within an ICS/IMS are:**
- Command, Safety, and Rescue
 - Command, Safety, and Rehab
 - Command, Logistics, and Finance
 - Operations, Logistics, and Finance

67. Building assessment may include which of the following:

- I.** Occupancy
- II.** Structural size
- III.** Building age
- IV.** Size of the building

- a. **II, III** and **IV** are correct
- b. **I, II** and **IV** are correct
- c. **I, II** and **III** are correct
- d. All are correct

68. Control zones are not part of scene control:

- a. True
- b. False

69. A collapse which is typically associated with long surface fissure is a ____:

- a. Shear-in
- b. Sidewall-in
- c. Spoil-in
- d. Slough-in

70. A common hazard to the first responder of a water rescue incident would be:

- a. The witness will often give incorrect information
- b. The first responder attempts a rescue without the proper equipment or training
- c. The rescue ropes are not usually strong enough
- d. The PFD's usually do not provide enough flotation