

2015 Southern Regional Mine Rescue Contest
New Iberia, LA
Team Trainer Written Test

1. An example of a second priority condition is, second degree burns involving less than _____% of the body.
 - a. 10
 - b. 15 (Modules 6-6)
 - c. 20
 - d. None of the above
2. Victims can be categorized into three priority groups according to their condition or injuries.
 - a. True
 - b. False (Modules 6-5)
3. After survivors have been found in the mine, the next step is to get them to safety and fresh air as quickly as possible.
 - a. True (Modules 6-5)
 - b. False
4. The _____ will determine whether to advance fresh air or build an air lock.
 - a. Team Captain
 - b. FAB Attendant
 - c. State officials
 - d. None of the above (Modules 6-4)
5. When survivors are located, the location, time, gender, and date should be marked on the team's map and marked on the side in the passageway where they were found.
 - a. True
 - b. False (Modules 6-4)
6. The training courses required by Part 49.8 shall be conducted by instructors who have been employed in an underground mine for a minimum of one year within the past 10 years.
 - a. True
 - b. False (30 CR Part 49.8 (d))
7. Prior to serving on a mine rescue team each member shall complete, at a minimum, an initial _____ course of instruction?
 - a. 5-hour
 - b. 20-hour (30 CFR Part 49.8 (a))
 - c. 15-hour
 - d. 10-hour
8. Defibrillation is the application of an electrical shock to a patient's heart in an attempt to convert a non-lethal rhythm into a normal one.
 - a. True
 - b. False (Brady 9th Edition Chapter 10 pg. 188)
9. Methane can be seen, smelled or tasted if you are alert enough to notice it?

- a. True
 - b. False (Modules pg. 2-22)
10. All field problems will be designed with at least two clear and systematic ventilation solutions?
- a. True
 - b. False (2016 National M/NM Contest Rules pg. 30)
11. In most cases, a responsive patient does not have a gag reflex.
- a. True
 - b. False (Brady 9th Edition Chapter 8 pg. 155)
12. Your team will make frequent tests for gases as it advances beyond the portal.
- a. True
 - b. False (Modules pg. 2-22)
13. The conveyance command signals 2-1 followed by the command signal 3-2, indicate 500 Feet First level and Lower Conveyance.
- a. True
 - b. False (2016 National M/NM Contest Rules pg. 23)
14. Entrances to all mine openings do not have to be examined under oxygen as long as the unit is readily available for use.
- a. True
 - b. False (2016 National M/NM Contest Rules pg. 24)
15. In smoke, all team members must have hold of, or be fastened to, a lifeline.
- a. True (2016 National M/NM Contest Rules pg. 24)
 - b. False
16. If during the working of the problem any team member is unable to continue, the _____ may be used as a substitute.
- a. Provided Victim
 - b. MSHA Official
 - c. (No.8 member)
 - d. None of the above (2016 National M/NM Contest Rules pg. 10)
17. Once a post has been set to correct and support an unsafe roof condition, it can only be removed with the approval of the command center.
- a. True
 - b. False (2016 National M/NM Contest Rules pg. 31)
18. At the command center the team will find a gas box (gas cylinder and tubing) containing an “unknown mixtures of gases.
- a. True
 - b. False (2016 National M/NM Contest Rules pg. 36)
19. During the first aid competition the first aid team will be permitted to use first aid manuals for reference purposes during the problem solving.
- a. True
 - b. False (2016 National M/NM Contest Rules pg. 94)
20. During the first aid competition team members are not allowed to leave the working area to obtain materials for the problem.
- a. True (2016 National M/NM Contest Rules pg. 94)
 - b. False

21. According to the 2016 M/NM Mine Rescue Contest Rules, an Assistant is a person qualified to participate as a mine team member. Can replace any team member who cannot continue or who is removed from the problem.
- True
 - False (2016 National M/NM Contest Rules pg. 108)
22. _____ bleeding occurs when vessels that return blood to the heart have been damaged.
- Arterial
 - Capillary
 - Venous (Brady 9th Edition Ch. 17 pg. 359)
 - None of the above
23. The _____ cavity houses the brain and its specialized membranes.
- Thoracic
 - Pelvic
 - Cranial (Brady 9th Edition Ch.4 pg. 63)
 - Abdominal
24. A small portion of the pancreas is located in the left upper quadrant.
- True
 - False (Brady 9th Edition Ch. 4 pg. 66)
25. A person certified in the use and care of breathing apparatus shall inspect and test the apparatus at intervals not to exceed 30 days.
- True
 - False (30 CFR Part 49.6b1)
26. Which one of the following is not classified as a hydrocarbon?
- Ethane
 - Acetylene (Modules 2-23)
 - Butane
 - Propane
27. Factors that determine how quickly a gas will diffuse or disperse include?
- Pressure
 - Temperature
 - Specific gravity
 - All of the above (Modules 2-6)
28. The team may have to use a mucking bucket or other improvised means to make their descent into the mine provided all five team members will fit?
- True (Modules 4-5)
 - False
29. The specific gravity for Nitrogen Dioxide is:
- 1.8954
 - 1.8459
 - 1.5984
 - 1.5894 (Modules 2-57)
30. In high concentrations, Carbon Dioxide increases breathing rate and can cause death.
- True (Modules 2-53)
 - False