

# Southwestern Regional Mine Rescue Contest

## Ruidoso, NM

### TEAM TRAINER TEST

1. Ventilation controls are used underground to properly distribute the oxygen to all sections of the mine.
  - a. True
  - b. False (Modules pg. 3-5)
2. You can rely on your senses to positively identify a gas.
  - a. True
  - b. False (Modules pg. 2-8)
3. If you wear your SCBA in petroleum-based fumes for prolonged or successive periods, the fumes can eventually permeate its rubber parts so that the apparatus no longer provides you with adequate protection.
  - a. True (Modules pg. 2-10)
  - b. False
4. Falls and rock bursts can disrupt ventilation by obstructing the flow of air.
  - a. True (Modules pg. 2-12)
  - b. False
5. If the oxygen content of the air you're breathing drops as low as \_\_\_ percent, you may lose consciousness.
  - a. 12
  - b. 10
  - c. 9 (Modules pg. 2-12)
  - d. 8
6. Modern electronic oxygen indicators are used to detect only oxygen-rich atmospheres.
  - a. True
  - b. False (Modules pg. 2-14)
7. Bulkhead and stopping are two different terms for two different ventilation controls.
  - a. True
  - b. False (Modules pg. 3-8)

8. Sometimes permanent bulkheads have a man door (or drop door) in them to allow an increase in ventilation to pass through.
  - a. True
  - b. False (Modules pg. 3-9)
  
9. Line brattice is especially useful for rescue teams to use when they need to flush out or ventilate a large area of the mine.
  - a. True
  - b. False (Modules pg. 3-10)
  
10. Overcasts are used more often. They are usually built with concrete block walls sealed against the sides and floor, and with some type of airtight roof made of pre-stressed concrete, railroad ties, or steel beams.
  - a. True (Modules pg. 3-11)
  - b. False
  
11. \_\_\_\_\_ are usually built at shaft stations and other strategic locations so that if there is a fire they can be closed to serve as a barrier to the fire and contaminated air.
  - a. Air Doors
  - b. Permanent Stoppings
  - c. Fire Doors (Modules pg. 3-12)
  - d. Line Curtains
  
12. The \_\_\_\_\_ cavity houses the brain and its specialized membranes.
  - a. Thoracic
  - b. Abdominal
  - c. Pelvic
  - d. Cranial - (Brady 9<sup>th</sup> Edition Ch. 4 pg. 63)
  
13. \_\_\_\_ occurs when nerves surrounding the injury have been injured and are being pressed by swelling tissue or broken bone ends.
  - a. Strain
  - b. Sprain
  - c. Pain - (Brady 9<sup>th</sup> Edition Ch. 19 pg. 413)
  - d. Dislocation
  
14. The musculoskeletal system is made up of many muscles, bones, joints, connective tissues, blood vessels, and nerves.
  - a. True - (Brady 9<sup>th</sup> Edition Ch. 19 pg. 408)
  - b. False
  
15. \_\_\_\_\_ bleeding occurs when vessels that return blood to the heart have been damaged.
  - a. Arterial
  - b. Capillary
  - c. Venous - (Brady 9<sup>th</sup> Edition Ch. 17 pg. 359)
  - d. None of the above

16. Upon completion of the initial training, all team members shall receive at least 40 hours of refresher training annually.
  - a. True (30 cfr Part 49.8 (b) )
  - b. False
  
17. A record of training of each team member shall be on file at the mine rescue station for a period of two years.
  - a. True
  - b. False (30 cfr Part 49.8 (g) )
  
18. Each surface mine shall have a mine rescue notification plan outlining the procedures to follow for notifying the mine rescue teams when there is an emergency that requires their services.
  - a. True
  - b. False (30 cfr Part 49.9 (a) )
  
19. Each mine rescue team shall consist of six members and one alternate who are fully qualified, trained, and equipped for providing emergency mine rescue services.
  - a. True
  - b. False (30 cfr Part 49.2 (b) )
  
20. Mine rescue apparatus and equipment shall be maintained in a manner that will ensure readiness for immediate use.
  - a. True (30 cfr Part 49.6 (b) )
  - b. False
  
21. When performing roof or ground support, the first support is to be set a minimum of one foot from the area designed as unsafe.
  - a. True
  - b. False (2016 Contest Rule Book pg. 31)
  
22. According to the 2016 Metal and Nonmetal Mine Rescue Contest Rule Book, for the teams using Biomarine BioPak 240R apparatuses, test questions can be taken from the Benchman Instruction Manual, Document A46D030, Revision L.
  - a. True
  - b. False (2016 Contest Rule Book pg. 60)
  
23. According to the 2016 Metal and Nonmetal Mine Rescue Contest Rule Book with regards to the First Aid contest, judges must be \_\_\_\_\_ in first aid methods and knowledgeable in the station they will be judging.
  - a. Familiar
  - b. Certified
  - c. Trained (2016 Contest Rule Book pg. 93)
  - d. All of the above

24. If oxygen is required in the treatment of a patient, it may be simulated with the use of a mask and the oxygen tank will be required.
- True
  - False (2016 Contest Rule Book pg. 94)
25. During the verbal appeal process, all questionable splints/dressings must remain intact until any verbal appeal is resolved.
- True (2016 Contest Rule Book pg. 96)
  - False
26. Once a post has been set to correct and support an unsafe condition, it can only be removed with approval from the mine manager.
- True
  - False (2016 Contest Rule Book pg. 32)
27. Teams can expect recharging materials, apparatus parts, and accessories for all types of apparatus at the contest site.
- True (2016 Contest Rule Book pg. 11)
  - False
28. The cap lamps used by the team members so not have to be permissible for mine rescue contest work.
- True
  - False (2016 Contest Rule Book pg. 11)
29. When using wireless communication, a minimum of four radios shall remain operational during the working of the problem.
- True
  - False (2016 Contest Rule Book pg. 14)
30. If placards have not been changed after 15 seconds, teams must assume that their actions were not successful.
- True (2016 Contest Rule Book pg. 18)
  - False