

Southwestern Regional Mine Rescue Contest
Taos, NM
May 21-23, 2013

TEAM TRAINER TEST

Company Name _____ Team Name _____

Your Team Position _____ Your Name _____

Discounts _____

1. According to Part 49, every operator of an underground mine shall establish at least two mine rescue teams.
 - a. True
 - b. False

2. Each mine rescue team shall consist of five members and one alternate.
 - a. True
 - b. False

3. To be considered for membership on a mine rescue team, each person must have been employed in an underground mine for a minimum of ____ year(s) in the past ____ years?
 - a. 1, 10
 - b. 2, 5
 - c. 1, 5
 - d. None of the above

4. Mine rescue apparatus and equipment shall be maintained in a manner that will ensure readiness for use immediate use.
 - a. True
 - b. False

5. Upon request from the District Manager, the operator shall provide information concerning the schedule of upcoming (mine rescue team) training?
 - a. True
 - b. False

6. A record of correction action (breathing apparatus) shall be maintained at the mine rescue station for a period of ____ year(s)?
 - a. 4
 - b. 3
 - c. 2
 - d. 1

7. Each member of a mine rescue team shall be examined annually. The first such physical examination shall be completed within _____ days prior to scheduled initial training.
- 10
 - 30
 - 60
 - Not required
8. Prior to serving on a mine rescue team each member shall complete, at a minimum, an initial _____ course of instruction?
- 5-hour
 - 10-hour
 - 15-hour
 - 20-hour
9. The training courses required in this section shall be conducted by instructors who have been employed in an underground mine for a minimum of _____ year(s) within the past _____ years?
- Two, ten
 - One, ten
 - One, five
 - None of the above
10. An increase in temperature causes a gas to expand?
- True
 - False
11. Specific gravity is the weight of a gas compared to an equal volume of normal air under the same temperature and pressure?
- True
 - False
12. Factors that determine how quickly a gas will diffuse or disperse include?
- Specific gravity
 - Temperature
 - Pressure
 - All of the above
13. Some gases found in mines are toxic. This refers only to what happens when you breathe the gas?
- True
 - False

14. For all mines, rescue teams must know how to test for oxygen deficiency and carbon monoxide?
- True
 - False
15. Which of the following is true of oxygen?
- It is essential for life
 - It is not harmful to breathe air that is low in oxygen
 - Neither a or b is true
 - Both a and b are true
16. Carbon monoxide can be produced by?
- Mine fires
 - Explosions of gas
 - Humans heavy breathing in confined spaces
 - Only a and b are true
17. Methane can be seen, smelled or tasted if you are alert enough to notice it?
- True
 - False
18. Stinkdamp is a mixture of carbon monoxide and air which results from a mine fire.
- True
 - False
19. Natural ventilation is rarely used in mines because the pressure differential is usually not great enough to create a sufficient and steady flow of air?
- True
 - False
20. Porous stoppings such as concrete block stoppings are usually plastered on the low-pressure side to reduce air leakage?
- True
 - False
21. The rule-of-thumb when altering ventilation is not to change the ventilation into an unexplored area.
- True
 - False
22. 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
 - False

23. Which of the following is true?
- Class A fires leave ashes
 - Class B fires involve contents that will boil
 - Class C fires involve current
 - All of the above
24. If you are going to fight a Class A fire, and a waterline is available, you can simply hook up the fire hose to the waterline?
- True
 - False
25. The sorting of victims is commonly referred to as a "Triage" system.
- True
 - False
26. Whether survivors are showing signs of hysteria or not, they should never be left alone?
- True
 - False
27. Reestablishing ventilation and bringing fresh air to an area damaged by fire or explosion is not the main task of mine rescue teams in a recovery effort. Regular work crews can do this.
- True
 - False
28. Re-ventilation after an explosion in a single-level, room-and-pillar mine is usually accomplished by progressive ventilation?
- True
 - False
29. The other method for recovering a sealed fire area is by direct ventilation? With this method, the affected area is recovered and re-ventilated _____?
- As a whole
 - In successive blocks
 - Either a or b
 - None of the above
30. Roadways and track will need to be cleared and restored to use as quickly as possible. Once this is done, it will be much easier to bring in needed materials.
- True
 - False