

**Rock Springs Team Trainer**  
**Rock Springs, WY**  
**June 12-14, 2012**

**Team Trainer Test**

Company Name \_\_\_\_\_

Team Name \_\_\_\_\_

Name \_\_\_\_\_

1. The explosive range for Butane is \_\_\_\_ to \_\_\_\_%.
  - a. 1.89 to 8.42
  - b. 1.85 to 8.30
  - c. 2.0 to 9.20
  - d. 1.86 to 8.41
  
2. Whitedamp is a mixture of \_\_\_\_\_?
  - a. carbon monoxide and air
  - b. carbon monoxide and carbon dioxide
  - c. carbon dioxide, nitrogen, and air
  - d. carbon monoxide and hydrogen
  
3. Barefaced exploration should be conducted only when the ventilation system is operating properly and frequent gas tests indicate that there is sufficient oxygen and no buildup of carbon monoxide or other dangerous gases. A backup crew with apparatus can be in the area, ready to go in immediately to rescue the others if necessary.
  - a. True
  - b. False

4. Under SEC. 505. of the Mine Act. The Secretary may, subject to the civil service laws, appoint such employees as he deems requisite for the administration of this Act and prescribe their duties. Persons appointed as authorized representatives of the Secretary shall be qualified by practical experience in mining or by experience as a practical mining engineer or by education: Provided, however, That, to the maximum extent feasible, in the selection of persons for appointment as mine inspectors, no person shall be so selected unless he has the basic qualification of at least \_\_\_\_\_years practical mining experience and in assigning mine inspectors to the inspection and investigation of individual mines, due consideration shall be given to the extent possible to their previous experience in the particular type of mining operation where such inspections are to be made.

- a. six
- b. four
- c. five
- d. two

5. Under Sec. 3 of the Mine Act. For the purpose of this Act, the term-- "operator" means any person charged with responsibility for the operation of all or a part of a coal or other mine or the supervision of the miners in a coal or other mine.

- a. True
- b. False

6. Under SEC. 110 (b) of the Mine Act. Any operator who fails to correct a violation for which a citation has been issued under section 104(a) within the period permitted for its correction may be assessed a civil penalty of not more than \$ \_\_\_\_\_ for each day during which such failure or violation continues.

- a. \$ 2,500
- b. \$7,500
- c. \$5,000
- d. \$1000

7. Under 30 CFR § 49.2(c) To be considered for membership on a mine rescue team, each person must have been employed in an underground mine for a minimum of one year within the past \_\_\_\_\_ years.
- a. four
  - b. three
  - c. two
  - d. five
8. Upon the effective date of this part, the required rescue capability shall be present at all existing underground mines, upon initial excavation of a new underground mine entrance, or the re-opening of an existing underground mine. What is the 30 CFR standard for the above statement?
- a. 49.2(c)
  - b. 49.2(f)
  - c. 49.2(e)
  - d. 49.2(h)
9. On reporting to field during a contest, the communication cable can not be strung out prior to starting the clock.
- a. True
  - b. False
10. Before reporting to the contest field a team member must check all apparatus to see if properly charged and in working condition.
- a. True
  - b. False

11. A device used to deflect, check or regulate the flow of air is a \_\_\_\_\_.

- a. auxiliary fan
- b. baffle
- c. bulkhead
- d. split

12. Under 49.7(a) Each member of a mine rescue team shall be examined annually by a physician who shall certify that each person is physically fit to perform mine rescue and recovery work for prolonged periods under strenuous conditions. The first such physical examination shall be completed within \_\_\_\_\_ days prior to scheduled initial training.

- a. 30
- b. 45
- c. 60
- d. 15

13. A split is to divide the air current in three or more separate currents.

- a. True
- b. False

14. If you locate survivors or bodies, report this immediately to the fresh air base.

- a. True
- b. False

15. Before entering the mine the attendant should see that the team line is properly stretched out and that the team members are holding or are attached to the team line.

- a. True
- b. False

16. The specific gravity for Carbon Monoxide (CO) is 0.9672 .

- a. True
- b. False

17. A rotation schedule is a team scheduled to be on the surface in ready reserve when rescue teams are working underground.
- a. True
  - b. False
18. The first set of vital signs are called?
- a. Pre-assessment vital signs
  - b. Post-assessment vital signs
  - c. Baseline vital signs
  - d. Radial vital signs
19. The initial assessment of a patient has \_\_\_\_\_ components.
- a. 13
  - b. 6
  - c. 7
  - d. 10
20. The fresh air base assistant will maintain voice communications with the team utilizing a portable, hard wire, and communications system.
- a. True
  - b. False
21. "Pogo sticks," which are \_\_\_\_\_ rods, can be used instead of posts to erect temporary bulkheads.
- a. spring-loaded expandable plastic
  - b. solid sleeve expandable plastic
  - c. spring-loaded expandable metal
  - d. solid expandable metal

22. To help ensure your team's safety while working underground, the main fan(s) should be monitored or guarded by a mine employee to make sure that it operates continuously.

- a. True
- b. False

23. The term cardiac compromise is used to describe patients who present with specific signs and symptoms that indicate some type of emergency related to the heart.

- a. True
- b. False

24. The quickest, most effective way to control most forms of external bleeding is a pressure dressing?

- a. True
- b. False

25. Shock is the reaction of the body to the failure of the circulatory system to provide enough blood to the vital organs. Also referred to as hyperperfusion.

- a. True
- b. False

26. When using sandfill, two bulkheads are built about \_\_\_\_\_ to \_\_\_\_\_ feet apart and the space between the bulkheads is filled with sandfill. All permanent seals should be well-hitched in the back, floor, and sides to make them as airtight as possible.

- a. 10 to 20
- b. 10 to 15
- c. 15 to 30
- d. 20 to 30

27. In gas field testing oxygen readings are considered to be correct if within plus or minus \_\_\_\_\_% by volume.
- a. 2.0
  - b. 1.0
  - c. 0.2
28. When testing the PPS BG4 battery during power up 5 short beeps will sound and the display will show the "Battery warning 2" icon.
- a. True
  - b. False
29. The PSS BG4 pressure reducer should be thoroughly overhauled by an expert every \_\_\_\_\_ years.
- a. 3
  - b. 5
  - c. 6
  - d. 2
30. After cleaning BG4 part the temperature for drying must not exceed 60 °C.
- a. True
  - b. False