

Trainer Written Test
2012 Southeast/Central Kentucky Mine Rescue Contest
June 19, 2012
Maysville, Kentucky

Trainer Name _____ Company _____

Team Name _____

Circle the letter for your answer. Circle only one answer.

1. In the Federal Mine Safety and Health Act of 1977, "person" means any individual, partnership, association, corporation, firm, subsidiary of a corporation, or other organization.
 - a. true
 - b. false

CONTEST RULES 2012

2. A team consists of five members and a fresh air base attendant and an assistant. If necessary, the assistant can be used to substitute for another team member.
 - a. true
 - b. false
3. If placards have not been changed after _____ seconds, teams must assume that their actions were not successful.
 - a. 10
 - b. 15
 - c. 20
 - d. None of the above
4. The standard horn signal for advance is:
 - a. 4
 - b. 3
 - c. 2
 - d. 1
5. Which one of the following statements is false:
 - a. Entrances to all mine openings shall be examined while under oxygen.

- b. In air clear of smoke, the above checks may be made without a lifeline, provided the entire team does not go into the entrance.
 - c. The examination above should not cover more than 25 feet.
 - d. All of the above are true
 - e. All of the above are false
6. A belt feeder is the dump end of a belt system. To disperse ore on the belt.
- a. true
 - b. false

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7. Advanced mine rescue training and procedures is not part of the annual 40 hours of training.
- a. true
 - b. false
8. Among the equipment required for a mine rescue team is that there be at least four gas detectors appropriate for each type of gas that may be encountered at the mines served.
- a. true
 - b. false
9. The person performing the inspection and testing of the apparatus not to exceed 30 days shall certify by signature and date when the inspections and test was performed.
- a. true
 - b. false
10. When an inspection of the apparatus indicates that a corrective action is necessary, the corrective action shall be recorded.
- a. true
 - b. false

BRADY FIRST RESPONDER 8th EDITION

11. A responsive patient who is not having difficulty breathing is almost always breathing adequately.
- a. true
 - b. false
12. Nausea/vomiting is the primary symptom of a heart attach.
- a. true
 - b. false

13. When lifting a patient, your feet should be placed:
- one in front of the other
 - a comfortable distance apart
 - shoulder width apart
 - as close together as possible
14. The _____ prevents food and other material from entering the trachea.
- tongue
 - alveoli
 - pharynx
 - epiglottis
15. Shock occurs in a step by step progression.
- true
 - false

IG 6 2008 MODULES

16. In the surface organization which one of the following persons has the duty to organize underground operations for each shift in cooperation with the person in charge, federal inspectors, and others?
- mine clerk
 - MSHA inspector
 - mine supervisor
 - chief engineer
17. Which one of the following is not true about Carbon Dioxide?
- soluble in water
 - colorless and odorless
 - a product of incomplete combustion
 - all are true
18. Sulfur Dioxide is one of the most soluble gases found in mines.
- true
 - false
19. Which one of the following is not classed as a heavy hydrocarbon?
- ethane
 - propane
 - butane
 - acetylene

20. The WLM (working level months) is a measure of the potential beta particle energy of radon daughters in the mine atmosphere.
- true
 - false
21. One method of measuring air velocity with a smoke tube is to take the reading only in the center of the airway.
- true
 - false
22. Mine rescue teams erecting temporary bulkheads in atmospheres with elevated hydrogen or methane readings should:
- use only inflatable seals.
 - leave a corner of the bulkhead open for the hydrogen or methane to exit.
 - use non-sparking tools and nails.
 - never enter such atmosphere.
23. Area (of an airway) – Average width multiplied by average height of an airway, expressed in cubic feet.
- true
 - false
24. In relation to advancing the fresh air base in multi-level mines, the fresh air base is often set up in one place and remains there throughout the operation.
- true
 - false
25. If the team is stopped at one location for an extended period, it's common practice for the fresh air base to signal one long pull about every 5 minutes to check on the team's condition.
- true
 - false
26. Class C fires are those that involve flammable or combustible liquids such as gasoline or diesel.
- true
 - false
27. The hazards of indirect firefighting include:
- electrocution, heat, smoke, and steam
 - toxic and explosive gases

- c. oxygen deficiency
- d. all of the above
- e. none of the above

28. The more muscular the individual, the slower rigor mortis will develop.

- a. true
- b. false

29. Don't examine the victim's clothing for personal possessions unless you have the team captain's approval.

- a. true
- b. false

30. A consideration when re-ventilating after an explosion is sources of ignition.

- a. true
- b. false