

Team Trainer Written Exam
2011

Name: _____

Team Name: _____

1. It is much easier for concentrations of explosive gases to build up when the barometric pressure is low and the temperature is high.
 - A. True
 - B. False

2. The gallbladder is located in the _____ abdominal quadrant.
 - A. Right Upper
 - B. Left Upper
 - C. Right Lower
 - D. Left Lower

3. The _____ determines whether to advance fresh air or build an air lock to rescue survivors.
 - A. Team Captain
 - B. Gas Man
 - C. Map Man
 - D. Command Center
 - E. None of the above

4. During a mine rescue contest, the team must "count off"
 - A. Prior to entering the mine the first time.
 - B. Every time the mine is exited.
 - C. When completing the problem.
 - D. Both A and B
 - E. Both A and C

5. Hydrogen Sulfide is most explosive at _____ percent.

- A. 7 to 8
- B. 5.9
- C. 14.2
- D. 15
- E. None of the above

6. MSHA Forms 5000-3 must be kept on file for a period of

- A. 1 year
- B. 2 years
- C. 3 years
- D. 5 years
- E. None of the above

7. Initial assessment is an overview of the scene to identify any obvious or potential hazards.

- A. True
- B. False

8. During a rescue and recovery operation, one of the duties of the outside Supervisor is to:

- A. Arrange for guards and state and/or local police.
- B. Notify all persons on the notification plan of the emergency.
- C. Provide materials for additional telephone communications as needed.
- D. Obtain gas samples from the main exhaust.
- E. None of the above

9. A body at 68 degrees Fahrenheit or higher will decay very rapidly.

- A. True
- B. False

10. When the heart stops beating, the oxygen supply remaining in the brain is then used up in about _____ minutes:

- A. 2 to 3
- B. 4 to 6
- C. 7 to 8
- D. 7 to 9

11. During a mine rescue contest, where crosscuts are blocked, no team member may advance more than 2 feet beyond the second intersection before tying across and/or behind into all unexplored areas that intersect.

- A. True
- B. False

12. 30 CFR 49.6(a)(6) requires gas detectors must measure concentrations of methane from:

- A. 0.0 percent to 20 percent of volume
- B. 0.0 percent to 15 percent of volume
- C. 0.0 percent to 70 percent of volume
- D. 0.0 percent to 90 percent of volume
- E. None of the above

13. The volume of the chest cavity is increased by muscle contraction.

- A. True
- B. False

14. Mine rescue team communication systems must be at least _____ feet in length.

- A. 100
- B. 500
- C. 1,800
- D. 1,000
- E. None of the above

15. _____ is a mixture of carbon dioxide, nitrogen, and air.

- A. Afterdamp
- B. Whitedamp
- C. Blackdamp
- D. Firedamp
- E. None of the above

16. Fear is a symptom of shock.

- A. True
- B. False

17. Broken bone ends protruding through the skin is a(n) _____ wound.

- A. Open
- B. Closed
- C. Complex
- D. Superficial
- E. None of the above

18. A hazard of direct firefighting is:

- A. Electrocution
- B. Heat
- C. Smoke
- D. Both B and C
- E. All of the above

19. A mine rescue team member will be ineligible to serve on a team if more than six hours of training is missed during one year.

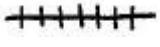
- A. True
- B. False

20. _____ has a slight garlic odor.

- A. Propane
- B. Acetylene
- C. Butane
- D. Both A and C
- E. None of the above

21. _____ is a sign of partial airway obstruction.

- A. Snoring
- B. Crowing
- C. Stridor
- D. None of the above
- E. All of the above

22.  is a symbol for:

- A. Water
- B. bad ground
- C. ladder
- D. Track
- E. None of the above

23. In natural ventilation greater temperature differences result in larger airflow.

- A. True
- B. False

24. The human body is can be divided into _____ regions.

- A. 4
- B. 5
- C. 6
- D. 7
- E. None of the above

25. Over ventilating a person can cause gastric distention.

- A. True
- B. False

26. During a mine rescue contest, apparatus checks are conducted at the first team stop and then at not more than _____ minute intervals while the team is working the problem.

- A. 15
- B. 20
- C. 30
- D. None of the above

27. Spatial disorientation can be caused by traveling in dense smoke.

- A. True
- B. False

28. _____ is a sign of hypoglycemia.

- A. Altered mental state.
- B. Normal or shallow breathing.
- C. Very hungry
- D. A and B
- E. All of the above

29. Re-ventilation after an explosion in a single-level, room-and-pillar mine is usually accomplished by progressive ventilation.

- A. True
- B. False

30. It is recommended that you don't eat within 2 hours prior to wearing apparatus.

- A. True
- B. False