

2019

NEVADA REGIONAL MINE RESCUE CONTEST

Use the answer sheet to mark your answers. This document will NOT be scored.

**MINE RESCUE  
COMPETITION 2019  
WINNEMUCCA NV**



TEAM **TRAINER** TEST

KEEP THIS DOCUMENT FACE DOWN UNTIL THE CLOCK STARTS  
YOU WILL HAVE 60 MINUTES TO COMPLETE ALL TESTING

## Brady EMR Questions

1. Use of the accessory muscles of the neck, chest and abdomen is a sign of \_\_\_\_\_:
  - a. Positive pressure ventilation
  - b. Cyanosis
  - c. Abnormal breathing
  - d. Patent airway
  
2. When attempting to clear a foreign airway obstruction on a conscious adult, \_\_\_\_\_:
  - a. Give five abdominal thrusts in rapid succession
  - b. Activate 911, then start 30 compressions
  - c. Attempt two rescue breaths
  - d. Use the flat side of your palm against the sternum
  
3. Once you have started CPR, continue CPR until \_\_\_\_\_:
  - a. Spontaneous pulse and breathing begins
  - b. You are exhausted and can no longer continue
  - c. You turn over responsibility to a physician or equal or more highly trained EMS member
  - d. Either of the above
  
4. Dyspnea is also known as \_\_\_\_\_ and is the body's response to not getting an adequate supply of oxygen and an increased level of \_\_\_\_\_ in the blood:
  - a. Cyanosis; ketones
  - b. Respiratory distress; carbon dioxide
  - c. Respiratory arrest; white cells
  - d. Agonal respirations; ethanol
  
5. The highest score an altered patient can achieve on the Glasgow Coma Scale is:
  - a. 15
  - b. 3
  - c. 0
  - d. 26
  
6. Water-related incidents do not always result in drowning; severe life-threatening injuries can occur. While performing patient assessment, be alert for:
  - a. Obstructions in the water
  - b. Speeding or approaching watercraft
  - c. Suspected fractures, soft-tissue injuries, and internal bleeding
  - d. Mammalian diving reflex
  
7. Controlling external bleeding requires three steps, in order:
  - a. Direct pressure, tourniquet, write time and date on gloved hand
  - b. Elevation, pressure bandage, occlusive dressing
  - c. Pressure bandage, elevation, pressure point
  - d. Direct pressure, use of a pressure bandage, and a tourniquet

14. According to #2 Judge Underground Discounts, how many discounts will be applied when a detector's oxygen sensor provides inaccurate readings at the fresh air base gas box?
- 15 points, total
  - 15 points, each occurrence
  - 10 points, total
  - None
15. The Technician Team, Multi-Gas Instrument Checks/Problem Diagnosis, General Rules, #2 has changed. \_\_\_\_\_ must supply the multi-gas detector and \_\_\_\_\_ gasses must be within acceptable limits?
- MSHA, 5
  - My mine rescue team, 4
  - Industrial Scientific, 5
  - None of the above
16. Under Rule #9, Technician Team, Multi-Gas Instrument Checks/Problem Diagnosis, Methane readings are considered accurate if they are within +/- \_\_\_\_\_ by volume.
- .05%
  - 10%
  - .02%
  - 3 ppm
  - None of the above
17. Under Rule #9, Technician Team, Multi-Gas Instrument Checks/Problem Diagnosis, Nitrogen Dioxide readings are considered accurate if they are within +/- \_\_\_\_\_ actual value present.
- .05%
  - 10%
  - .02%
  - 3 ppm
  - None of the above
18. Several definitions have changed in the back of the rule book. What should link a team to an area free of smoke?
- A Tagline
  - A Lifeline
  - A Team Line
  - None of the above

### 30 CFR Questions

19. Each mine rescue station must have one portable mine rescue communication system that is approved under 30 CFR Part \_\_\_\_\_.
- 23
  - 47
  - 32
  - 20
  - None of the above

26. Of the specific gravities shown above, which is the specific gravity for Carbon Monoxide?

- a. (A)
- b. (B)
- c. (C)
- d. (D)
- e. (E)

(A) CO, CO<sub>2</sub>, CH<sub>4</sub>, O<sub>2</sub>, N<sub>2</sub> & H<sub>2</sub>

(B) H<sub>2</sub>S & Air

(C) SO<sub>2</sub> & Air

(D) CO<sub>2</sub>, N<sub>2</sub> & Air

(E) CO & Air

27. Using the items shown above, which one is “Black Damp”?

- a. (A)
- b. (B)
- c. (C)
- d. (D)
- e. (E)

28. Using the items shown above, which one is “After Damp”?

- a. (A)
- b. (B)
- c. (C)
- d. (D)
- e. (E)

29. Using the items shown above, which one is “White Damp”?

- a. (A)
- b. (B)
- c. (C)
- d. (D)
- e. (E)

30. Pressure within and without sealed areas generally will vary according to \_\_\_\_\_ and barometric changes. These differences are usually described as “breathing in”, “breathing out” and “neutral”?

- a. Time
- b. Moisture content
- c. Distance
- d. All of the above
- e. None of the above