

Written Examination Day 1 KMI

Team Number/Name _____

Contestant Name _____

1. Gas layering is like smoke rollback with Methane and Hydrogen the likely gases to _____ layers during a fire. (Donald W. Mitchell Mine Fires, p. 23)
 - A. ___ Create
 - B. ___ Form
 - C. ___ Build

2. Temporary seals should include _____ for collecting air samples from within the sealed area. (MSHA 3028, pp. 5-24)
 - A. ___ Provisions
 - B. ___ Tubes
 - C. ___ Pipes

3. Nitrogen dioxide has a reddish-brown color in high _____. (MSHA 3028, pp. 2-18)
 - A. ___ Concentrations
 - B. ___ Amounts
 - C. ___ Liberations

4. Hydrogen sulfide is flammable and explosive in _____ from 4.3 to 45.5 percent in normal air. (MSHA 3028, pp. 2-20)
 - A. ___ Concentrations
 - B. ___ Amounts
 - C. ___ Liberations

5. _____ 21 percent of normal air is oxygen. (MSHA 3028, pp. 2-11)
 - A. ___ About
 - B. ___ Around
 - C. ___ Approximately

6. A mixture of coal dust in air reduces the explosive _____ of methane. (MSHA 2102, p. 32)
- A. ___ Limit
 - B. ___ Range
 - C. ___ Amount
7. One _____ of heat during a fire is that it tends to weaken the roof, especially where head coal is left. (MSHA 2105, p. 32)
- A. ___ Effect
 - B. ___ Problem
 - C. ___ Hazard
8. It is the responsibility of rescue team members to have all the _____ needed to do the work. (MSHA 2104, p. 23)
- A. ___ Material
 - B. ___ Information
 - C. ___ Supplies
9. For teams using a compressed oxygen breathing apparatus, the captain usually notes each team member's gauge reading at each _____ stop and reports the lowest reading to the fresh-air base. (MSHA 2104, p. 32)
- A. ___ Required
 - B. ___ Rest
 - C. ___ Team
10. Before using a hand _____ extinguisher it must be checked for the type of fire you are fighting. (MSHA 2105, p. 10)
- A. ___ Fire
 - B. ___ Held
 - C. ___ Chemical

Written Examination Day 1 KMI Answer Key

1. B Form
2. A Provisions
3. A Concentrations
4. A Concentrations
5. A About
6. A Limit
7. C Hazard
8. B Information
9. B Rest
10. B Held