***2024 MCPA/ National Mine Rescue Association Virginia Post 7***

***Day 1 Coal Mine Rescue Written Exam***

**Day One Post 7 Coal Mine Rescue Written Exam**

**Team Name\_\_\_\_\_\_\_\_\_\_\_Team Member Number\_\_\_\_\_\_\_\_\_\_**

**Working Order\_\_\_\_\_\_\_\_\_**

**1. All conductive objects such as cables, track, trolley wire, water lines, belt structures, etc., extending into the\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_\_should be severed or removed at or outby the fresh-air base before explorations are started.**

**A. Sealed Area**

**B. Fire Area**

**C. Explosion Area**

**2. Gas readings must be taken in the returns near the\_\_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_\_\_to determine if the mine atmosphere is potentially explosive.**

**A. Sealed Area**

**B. Fire Area**

**C. Explosion Area**

**3. Seals in high volatile coalbeds are often placed 1,000 feet or more from the\_\_\_\_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_\_\_\_.**

**A. Sealed Area**

**B. Fire Area**

**C. Explosion Area**

**4. When sealing a mine fire, you should be careful to ensure that there are no abrupt changes in the ventilation over the\_\_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_\_\_.**

**A. Sealed Area**

**B. Fire Area**

**C. Explosion Area**

**5. Non-metallic sampling- pipes are inserted in temporary and permanent seals for the purpose of collecting air samples from the \_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_\_\_.**

**A. Sealed Area**

**B. Fire Area**

**C. Explosion Area**

**6. Before going underground to explore for a fire or to fight a fire, the team should know about any possible ignition sources that may exist in the \_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_\_\_.**

**A. Fire Area**

**B. Explosion Area**

**C. Affected Area**

1. **The main objective of recovery work is to put the\_\_\_\_\_\_ \_\_\_\_\_\_\_\_\_ of the mine back in operation as soon as possible.**

**A. Fire Area**

**B. Explosion Area**

**C. Affected Area**

1. **The main objectives of exploration work during a mine fire are locating the fire and assessing conditions in the \_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_\_.**

**A. Fire Area**

**B. Explosion Area**

**C. Affected Area**

1. **When appropriate, a \_\_\_\_\_\_\_ \_\_\_\_\_\_\_ is not un-sealed until the oxygen content is low enough to make explosions impossible and the carbon monoxide has disappeared.**

**A. Sealed Area**

**B. Fire Area**

**C. Explosion Area**

1. **Sufficient time should be allowed for a\_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_to cool before it is unsealed.**

**A. Sealed Area**

**B. Fire Area**

**C. Explosion Area**

**Day One Post 7 Coal Mine Rescue Written Exam**

**Team Name\_\_\_\_\_\_\_\_\_\_\_Team Member Number**

**Working Order\_\_\_\_\_\_\_\_\_**

**1. All conductive objects such as cables, track, trolley wire, water lines, belt structures, etc., extending into the \_\_\_\_\_\_\_\_\_\_\_\_ should be severed or removed at or outby the fresh-air base before explorations are started.**

**A. Sealed Area**

**B. Fire Area**

**C. Explosion Area**

**2. Gas readings must be taken in the returns near the \_\_\_\_\_\_ \_\_\_\_\_\_\_\_ to determine if the mine atmosphere is potentially explosive.**

**A. Sealed Area**

**B. Fire Area**

**C. Explosion Area**

**3. Seals in high volatile coalbeds are often placed 1,000 feet or more from the \_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_.**

**A. Sealed Area**

**B. Fire Area**

**C. Explosion Area**

**4. When sealing a mine fire, you should be careful to ensure that there are no abrupt changes in the ventilation over the \_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_.**

**A. Sealed Area**

**B. Fire Area**

**C. Explosion Area**

**5. Non-metallic sampling- pipes are inserted in temporary and permanent seals for the purpose of collecting air samples from the \_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_\_\_.**

**A. Sealed Area**

**B. Fire Area**

**C. Explosion Area**

**6. Before going underground to explore for a fire or to fight a fire, the team should know about any possible ignition sources that may exist in the \_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_\_\_.**

**A. Fire Area**

**B. Explosion Area**

**C. Affected Area**

1. **The main objective of recovery work is to put the\_\_\_\_\_\_ \_\_\_\_\_\_\_\_\_ of the mine back in operation as soon as possible.**

**A. Fire Area**

**B. Explosion Area**

**C. Affected Area**

1. **The main objectives of exploration work during a mine fire are locating the fire and assessing conditions in the \_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_\_.**

**A. Fire Area**

**B. Explosion Area**

**C. Affected Area**

1. **When appropriate, a \_\_\_\_\_\_\_ \_\_\_\_\_\_\_ is not un-sealed until the oxygen content is low enough to make explosions impossible and the carbon monoxide has disappeared.**

**A. Sealed Area**

**B. Fire Area**

**C. Explosion Area**

1. **Sufficient time should be allowed for a \_\_\_\_\_\_\_\_\_\_\_ to cool before it is unsealed.**

**A. Sealed Area**

**B. Fire Area**

**C. Explosion Area**

**DAY 1 COAL MINE RESCUE WRITTEN EXAM ANSWERS**

1. **C**
2. **B**
3. **B**
4. **B**
5. **A**
6. **C**
7. **C**
8. **A**
9. **B**
10. **B**