**2017 Post 6 Day 1 Mine Rescue Written Exam**

**Contestants Name: Team Name & Number:**

1. **It is generally recommended that \_\_\_\_\_ not travel through foam filled areas.**

 **members teams persons**

1. **Mine rescue teams may find it necessary to use line\_\_\_\_\_\_\_\_ to sweep noxious or explosive gases from a face area.**

 **curtain cloth brattice**

1. **In situations too hazardous for teams to explore and reventilate safely, teams may be \_\_\_\_\_\_\_\_\_\_\_to seal the area.**

 **instructed told directed**

1. **\_\_\_\_\_\_\_\_causes a lack of orientation which may cause a team member to lose his/her sense of balance.**

 **Nitrogen Hydrogen Smoke**

1. **High expansion foam is light and \_\_\_\_\_\_\_\_and can travel long distances to a fire without breaking down.**

 **resilient durable toxic**

1. **The effects of toxic \_\_\_\_\_\_depend on the concentration, toxicity, and exposure time.**

 **smoke gases chemicals**

1. **In order to \_\_\_\_\_\_\_\_\_an airlock, one door of the airlock must be kept closed while the other is opened.**

 **keep construct maintain**

1. **Rescue teams should build an\_\_\_\_\_\_\_ so that the two stoppings are erected as close together as possible yet with enough space to allow room for the team and their equipment to fit in between.**

 **airlock seal stopping**

1. **When\_\_\_\_\_\_\_\_\_ are found, they should be transported to safety and fresh air as quickly as possible.**

 **miners persons survivors**

**10. Thermal imaging cameras should only be used in less than\_\_\_ percent of Methane.**

 **1.0 1 one**

**2017 Post 6 Day 1 Mine Rescue Written Exam Answers**

1. **Teams SF # 15**
2. **Brattice SF # 18**
3. **Instructed SF # 26**
4. **Smoke SF # 37**
5. **Resilent SF # 43**
6. **Gases SF # 54**
7. **Maintain SF # 61**
8. **Airlock SF # 62**
9. **Survivor SF # 79**
10. **1 SF # 92**

**2017 Post 6 Day 2 Mine Rescue Written Exam**

**Contestants Name: Team Name & Number:**

1. **Any flammable gas can explode under \_\_\_\_\_\_\_\_conditions.**

 **critical numerous certain**

 **2. Once an explosion has occurred, there is always the possibility of \_\_\_\_\_\_\_\_explosions.**

 **further numerous severe**

 **3. When a team locates a body, its location and position should be marked on a \_\_\_\_\_\_ map and on the roof or rib close to the body.**

 **team every mine**

 **4. Before the team leaves the fresh-air base to travel inby, the captain should take note of the time of \_\_\_\_\_\_\_\_.**

 **Return day departure**

 **5. If smoke is so dense as to make \_\_\_\_\_\_\_\_\_ poor, you may need to keep in constant physical contact with a rail, a compressed air or water line, or the rib in order to feel your way along.**

 **communications visibility direction**

 **6. Team safety must not be compromised. Although “Time is never your friend” do not be in too great a hurry and do not \_\_\_\_\_\_\_others to hurry.**

 **permit allow make**

 **7. Only detectors and chemical analysis can \_\_\_\_\_\_\_\_ identify a gas.**

 **always possibly positively**

 **8. As a team advances, it is important to stay in close contact with the fresh air base/command center to report team\_\_\_\_\_\_\_ and to receive further instructions.**

 **intentions directions progress**

1. **The time spent under oxygen by a rescue team is usually limited to\_\_\_\_\_ hours or less.**

 **four one two**

1. **Hazards of direct firefighting are electric shock or electrocution, toxic and\_\_\_\_\_\_\_\_\_\_\_\_\_\_ \_\_\_\_ , oxygen deficiency, explosive gases, heat, smoke and steam.**

 **inert gases noble gases asphyxiating gases**

**2017 Post 6 Day 2 Mine Rescue Written Exam Answers**

1. **certain SF # 9**
2. **further SF # 17**
3. **mine SF # 23**
4. **departure SF # 28**
5. **visibility SF # 47**
6. **permit SF # 49**
7. **positively SF # 53**
8. **progress SF # 66**
9. **two SF # 74**
10. **asphyxiating gases SF # 86**