Written Examination Day 1 Harlan Safety Days

Team Name \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Contestant Name \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Team number\_\_\_\_\_\_\_\_\_\_\_\_\_

1. A mixture of coal dust in air reduces the explosive \_\_\_\_\_\_\_\_\_of methane.
2. \_\_\_ percent
3. \_\_\_ range
4. \_\_\_ limit
5. It is important that the team pace its \_\_\_\_\_\_\_\_\_\_\_\_so that it can return to the fresh air base on time.
6. \_\_\_ travel
7. \_\_\_ exploration
8. \_\_\_ work
9. As the team \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_, the map man records what the team encounters by marking the information on a mine map.
10. \_\_\_ explores
11. \_\_\_ travels
12. \_\_\_ advances
13. The team is responsible for choosing the exact sites within \_\_\_\_\_\_\_\_\_for building seals.
14. \_\_\_ headings
15. \_\_\_ entries
16. \_\_\_ mines
17. Color, odor, and taste are physical \_\_\_\_\_\_\_\_\_\_\_that help to identify gases during barefaced exploration.
18. \_\_\_ characteristics
19. \_\_\_ properties
20. \_\_\_ senses
21. Ventilation controls are used underground to properly distribute air to all \_\_\_\_\_\_\_\_\_\_ of the mine.
22. \_\_\_ areas
23. \_\_\_ sections
24. \_\_\_ entries
25. Rescue teams should build an airlock so that the two stoppings are \_\_\_\_\_\_\_as close together as possible yet with enough space to allow room for the team and their equipment to fit in between.
26. \_\_\_ built
27. \_\_\_ erected
28. \_\_\_ located
29. If the fresh air base is underground, it should be located where it’s assured a fresh air \_\_\_\_\_\_\_\_\_\_\_to the surface.
30. \_\_\_ escapeway
31. \_\_\_ travelway
32. \_\_\_ course
33. As a team\_\_\_\_\_\_\_\_\_\_\_\_, it is important to stay in close contact with the fresh air base/command center to report team progress and to receive further instructions.
34. \_\_\_ advances
35. \_\_\_ explores
36. \_\_\_ works
37. Team captains should inspect roof and ribs before the team members \_\_\_\_\_\_\_into the area.
38. \_\_\_ advance
39. \_\_\_ travel
40. \_\_\_ explore

Written Examination Day 1 Harlan Safety Days Answer Key

1. C limit
2. C work
3. C advances
4. A headings
5. B properties
6. B sections
7. B erected
8. B travelway
9. A advances
10. A advance