45. Only the ventilation material provided will be permitted to be used during the working of the problem. Structures, other than erected walls of overcasts/undercasts, located on the course shall be completely disassembled when moved to other locations.

46. Less than five team members completing problem, each person.

47. Failure to examine lunch pails, each infraction.

48. Any act by a team member that violates the intent of the problem design layout, each location.

49. Failure to comply with other written adopted National Rules not covered in Discount Sheet, each infraction.

50. Failure of team to follow written instructions provided to the team for working of the contest problem maximum per item.

TOTAL DISCOUNTS
### A. Written Examination

1. For each incorrect answer .................................................. (see enclosed scoresheet)

### B. Maps

1. Team and command center map, each infraction ....... (see enclosed scoresheet)

### C. Time Card

1. Team checks, failure to complete or stopping clock before completion (see enclosed scoresheet)

### D. Apparatus

1. Apparatus improperly assembled, each apparatus .... 3
2. Apparatus improperly adjusted to the wearer, each person ................................................. (each point) 1
3. Failure to follow prescribed procedures for going under oxygen, each person, excluding patient 3
4. Apparatus part or parts worn or deteriorated so as to be dangerous to the wearer, each person 8
5. Oxygen supply of team member over specified limitations ...................................................... 2
6. Failure of captain to examine gauges, apparatus, and to have his/her gauges and apparatus examined before entering the mine or going inby Fresh Air base, each apparatus 2
7. Failure to make proper apparatus examination during any required apparatus check, each infraction (maximum 5 points) ...................................................... 1
8. Not wearing goggles in conjunction with SCSR when smoke is encountered, each patient, each infraction ........................................ 2
9. Team members breathing external air inby the fresh-air base, each team member, each infraction (excluding patient) .................................................. 10
10. Team not following proper procedure in case of apparatus failure, each infraction 6
11. Failure to properly protect patient, per rules each omission .................................................. 2
12. Failure to conduct a complete initial assessment of each patient .............................................. 2

### E. Auxiliary Equipment and Testing Devices

13. Failure to take necessary equipment and gas detecting devices to work the problem, each omission .......................... 1
14. Failure to test the listed equipment after the clock is started and before the entire team goes underground or inby the fresh-air base, each omission .......................... 2
15. Equipment failing to function properly upon testing, if not corrected before entering the mine, each infraction ...................................................... 4
16. Failure to secure extra approved breathing apparatus or device to stretcher .......................... 2

### F. Communication and Signaling

17. Failure to arrange standard lifeline pull signals .......................... 3
18. Failure to give proper notification with lifeline or communication system of team's intention, (Total discounts not to exceed 6 during working of problem), each infraction .......................... 1
19. The team must notify the command center and obtain permission before ventilation changes are made or power circuits energized ........................................ 2
20. Failure to take lifeline/link line or other communication system into the mine .......................... 10
21. In air clear of smoke, none of working team members having hold of lifeline/link line or having it firmly attached to his/her person .......................... 2
22. In smoke, each team member not having hold of lifeline/link line, or not being firmly attached to his/her person, each infraction .......................... 2

### G. Gas and Roof Testing

23. Failure of captain to test the roof, face, and/or ribs by sound and vibration method, each infraction Maximum - 4 points at any one location except fires .......................... 4
24. Failure to make necessary gas tests where required, each location .......................... 2
25. Improper procedure when testing with gas detectors, testers, and indicators, total discounts not to exceed 6 points per team member during working of problem .......................... 2

### H. Miscellaneous

26. Failure of team captain to legibly mark date, initials, and team number on the check board after the timing device is started, each omission .......................... 2
27. Failure of the captain to mark legibly, with chalk, the date and his/her initials at locations required by the rules, not to exceed 12 points .......................... 2
28. Failure of team to stop within 50 feet of the fresh-air base to check team members and apparatus .......................... 4
29. Any team member traveling more than 25 feet from the captain or No. 5 team member’s original stopping point, each infraction .......................... 2
30. Captain or other team member who acts to endanger self or patient, 5 points each team member or patient, each infraction, each occurrence (Maximum -15 points) (Except Part F) .......................... 5
31. Any act by a team which may result in an explosion of an explosive air/gas mixture .......................... 30
32. Failure to locate missing persons, each omission .......................... 10
33. Failure to bring live person to the fresh-air base, each omission .......................... 20
34. Failure to properly protect a live person or potentially live person(s), each omission .......................... 10
35. Failure to remove irreplaceable atmosphere .......................... 30
36. Refugee Alternative: Teams will be discounted under rule 24 for gas tests and/or rule 34 for failure to properly protect patient(s) and/or rule 44 for failure to properly examine the environment .......................... 5
37. Team member talking to or receiving information from an unauthorized person, each infraction .......................... 5
38. Failure to follow proper procedure when putting apparatus on patient, each infraction .......................... 2
39. Assistance lent by supposedly unconscious patient, each infraction .......................... 2
40. Team leaving patient unattended, each infraction .......................... 6
41. Failure to remove patient(s) promptly to the fresh air base, each infraction (maximum 6 per location) .......................... 6
42. Failure to erect temporary stopping (airlock) when necessary, each infraction .......................... 6
43. Failure to erect temporary stopping reasonably airtight, each infraction .......................... 2
44. Failure of team to explore or examine workings systematically and thoroughly, each omission .......................... 4

### Discounts

- **A. Written Examination**
  - 1. For each incorrect answer (see enclosed scoresheet)
  - 2. Team and command center map, each infraction (see enclosed scoresheet)

- **D. Apparatus**
  - 1. Apparatus improperly assembled, each apparatus 3
  - 2. Apparatus improperly adjusted to the wearer, each person 1
  - 3. Failure to follow prescribed procedures for going under oxygen, each person, excluding patient 3
  - 4. Apparatus part or parts worn or deteriorated so as to be dangerous to the wearer, each person 8
  - 5. Oxygen supply of team member over specified limitations 2
  - 6. Failure of captain to examine gauges, apparatus, and to have his/her gauges and apparatus examined before entering the mine or going inby Fresh Air base, each apparatus 2
  - 7. Failure to make proper apparatus examination during any required apparatus check, each infraction (maximum 5 points) 1
  - 8. Not wearing goggles in conjunction with SCSR when smoke is encountered, each patient, each infraction 2
  - 9. Team members breathing external air inby the fresh-air base, each team member, each infraction (excluding patient) 10
  - 10. Team not following proper procedure in case of apparatus failure, each infraction 6
  - 11. Failure to properly protect patient, per rules each omission 2
  - 12. Failure to conduct a complete initial assessment of each patient 2

- **E. Auxiliary Equipment and Testing Devices**
  - 13. Failure to take necessary equipment and gas detecting devices to work the problem, each omission 2
  - 14. Failure to test the listed equipment after the clock is started and before the entire team goes underground or inby the fresh-air base, each omission 2
  - 15. Equipment failing to function properly upon testing, if not corrected before entering the mine, each infraction 4
  - 16. Failure to secure extra approved breathing apparatus or device to stretcher 2

- **F. Communication and Signaling**
  - 17. Failure to arrange standard lifeline pull signals 3
  - 18. Failure to give proper notification with lifeline or communication system of team's intention, (Total discounts not to exceed 6 during working of problem), each infraction 1
  - 19. The team must notify the command center and obtain permission before ventilation changes are made or power circuits energized 2
  - 20. Failure to take lifeline/link line or other communication system into the mine 10
  - 21. In air clear of smoke, none of working team members having hold of lifeline/link line or having it firmly attached to his/her person 2
  - 22. In smoke, each team member not having hold of lifeline/link line, or not being firmly attached to his/her person, each infraction 2

- **G. Gas and Roof Testing**
  - 23. Failure of captain to test the roof, face, and/or ribs by sound and vibration method, each infraction Maximum - 4 points at any one location except fires 4
  - 24. Failure to make necessary gas tests where required, each location 2
  - 25. Improper procedure when testing with gas detectors, testers, and indicators, total discounts not to exceed 6 points per team member during working of problem 2

- **H. Miscellaneous**
  - 26. Failure of team captain to legibly mark date, initials, and team number on the check board after the timing device is started, each omission 2
  - 27. Failure of the captain to mark legibly, with chalk, the date and his/her initials at locations required by the rules, not to exceed 12 points 2
  - 28. Failure of team to stop within 50 feet of the fresh-air base to check team members and apparatus 4
  - 29. Any team member traveling more than 25 feet from the captain or No. 5 team member’s original stopping point, each infraction 2
  - 30. Captain or other team member who acts to endanger self or patient, 5 points each team member or patient, each infraction, each occurrence (Maximum -15 points) (Except Part F) 5
  - 31. Any act by a team which may result in an explosion of an explosive air/gas mixture 30
  - 32. Failure to locate missing persons, each omission 10
  - 33. Failure to bring live person to the fresh-air base, each omission 20
  - 34. Failure to properly protect a live person or potentially live person(s), each omission 10
  - 35. Failure to remove irreplaceable atmosphere 30
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  - 40. Team leaving patient unattended, each infraction 6
  - 41. Failure to remove patient(s) promptly to the fresh air base, each infraction (maximum 6 per location) 6
  - 42. Failure to erect temporary stopping (airlock) when necessary, each infraction 6
  - 43. Failure to erect temporary stopping reasonably airtight, each infraction 2
  - 44. Failure of team to explore or examine workings systematically and thoroughly, each omission 4