**Incident Safety Officer 2023**

**Study Guide**

1. Identify the four different control zones.
2. Identify the five building construction types.
3. Identify when formal rehabilitation should be established.
4. Identify the three ways loads are imposed.
5. Identify the eleven steps for helicopter safety procedures.
6. Explain the difference between an arched truss and a parallel chord truss.
7. Describe how firefighting efforts affect smoke.
8. Describe the positioning of fire apparatus at vehicle accident incidents.
9. Identify the biggest risk when working at a vehicle accident incident.
10. Identify the operations that are governed by OSHA 29 CFR 1910.146.
11. Explain the difference between NFPA 1710 and NFPA 1720.
12. Explain the differences between NFPA, EPA, and OSHA.
13. Identify nine hazards at a confined space incident.
14. Identify the requirements and safety procedures for a helicopter landing zone.
15. Explain the difference between vicarious learning and recognition-primed decision-making.
16. Explain the difference between acute stress disorder and post-traumatic stress disorder.
17. Describe NFPA 1584.
18. Explain the difference between informal incident PIA and a Formal PIA.
19. Explain the difference between ICS 208 and ICS 215A forms.
20. Identify the three components of the operational safety triad.
21. Explain how the principal hazard is determined at a Haz Mat incident.
22. Describe OSHA 29 CFR 1910.120.
23. Identify and explain the five-step risk management system.
24. Explain the difference between Romex and knob and tube wiring.
25. Explain the difference between a cantilever beam and a continuous beam.
26. Identify the minimum PPE requirements for First Responders for flooding incidents.
27. Identify the five NIMS incident types.
28. Identify and explain the difference between the four hostile fire events.
29. Explain the difference between a soft intervention and a firm intervention.
30. Explain the differences between direct cause, root cause, and underlying cause.
31. Describe how accountability systems track personnel.
32. Identify the properties of two common utility gases.
33. Identify four radio use suggestions for the ISO.
34. Explain how Geographic Area Coordinating Groups (GACGs) work.
    1. How do they get their authority?
35. Explain the difference between NFPA standards, guides, and codes.
36. Identify the three components of resource effectiveness.
37. Define the term flow paths.
38. Describe an atypical stressful event.
39. Explain the difference between a blowup, flare-up, and a fire storm.
40. Identify the five components of the mitigation hierarchy.
41. Define the term incident benchmark.
42. Define the term situational awareness.
43. Identify and explain the acronym MEDIC.
44. Describe how to prevent heat stress.