**Haz Mat Technician NFPA 470 2022ed**

**Study Guide**

1. Describe the components and purpose of a pre-incident plan.
2. Define and explain the following:
   1. Toxicity.
   2. Neurotoxins.
   3. IDLH atmosphere.
   4. Divisions (ICS)
   5. Sections (ICS)
   6. Branches (ICS)
   7. Dose-response relationship.
   8. Containment.
   9. Confinement
   10. Teratogens.
3. Describe the procedure to use and how to read and interpret information received from a PID.
4. Identify and describe labels and placards for radioactive materials.
5. Explain the difference between offensive and defensive response modes.
6. Identify and describe the different sections of shipping papers.
7. Describe a chemical reactivity worksheet.
8. Identify the five types of stresses that can cause container failure.
9. Identify the five types of container breach events,
10. Identify factors that affect flow rates of water supply systems at fixed facilities.
11. Describe how to evaluate radiation monitoring results.
12. Identify the safety features of covered floating roof storage container.
13. Describe the reporting requirements of CERCLA.
14. Identify when the safety briefing should be conducted and its components.
15. Explain the difference between GEMBO and WISER.
16. Identify and describe the four levels of chemical PPE.
17. Identify what type of incidents should be field screened for explosives.
18. Explain the differences between degradation and permeation.
19. Identify types of stress placed on responders using CPC.
20. Identify the incident reporting fire departments would use for reporting a Haz Mat incident.
21. Identify and explain the differences between the general staff and command staff positions relating to ICS.
22. Explain why a product specialist should be consulted before using neutralization as a product control method.
23. Describe the characteristics of a chlorine release.
24. Describe mass decontamination procedures.
25. Identify and describe the different types of transportation containers.
26. Identify the type of materials in fiberboard drums.
27. Explain the difference between a vesicant agent and a nerve agent.
28. Explain the difference between a pressure rail car and a non-pressure rail car.
29. Explain what is done with contaminated equipment after it has gone through the decontamination process.
30. Explain the difference between Type A, B, and C packaging for radioactive materials.
31. Identify the goal of information management and resource management.
32. Identify the priorities for air monitoring at a confined space incident.
33. Explain the difference between industrial and excepted packaging for radioactive waste and materials.
34. Describe NFPA 1891.
35. Identify safety concerns with multiple bulk storage containers located in common dike areas.