

**PTS Publications**  
**A Division of Performance Training Systems, Inc.**

**Hazardous Material Awareness**

# **Exam Prep I-3**

**Sixth Edition - 2019**

Please read instructions on next page!



## Exam I-3 – 75 Exam Items – Confirming What You Mastered

The reading list for Exam I-3 is as follows:

1. IFSTA, *Hazardous Materials for First Responders*, 4<sup>th</sup> Edition, Chapters 1, 2, 3, 6, 7, and 14.
2. Jones and Bartlett Learning, *Hazardous Materials Awareness and Operations*, 1st Edition, Chapters 1 through 6, 11, and 12.
3. IFSTA *Essentials of Firefighting*, 7<sup>th</sup> Edition, Chapter 24, 25, 26.

### **Directions:**

Remove Examination I-3 from the manual. The reason for removing the exam from the book is to make it easier to score and conduct the research for those guessed and missed exam items. Another advantage is the portability of the exam so research and scoring can be accomplished at any time or place.

**First**, take a careful look at the test. There should be 100 exam items. In Appendix C you will find an Answer Form for Hazardous Material I-3 Examination. It can be removed from the book for ease of marking. Fill in the appropriate bubble answer (A-D) **in ink**.

Remember the rule about changing the answer. Our research has shown that changed answers are often incorrect, and often, the answer that is chosen first is the correct one.

If you **guess** the answer to a question, place an “X” or a checkmark by your answer. This step is vitally important as you gain and master knowledge. We will explain how we treat the “guessed” items later in SAEP®.

**Next**, take the examination. Once you complete it, go to Appendix A and score your test. Once the test is scored, carefully follow the directions for feedback on the missed and guessed exam items.

1. Substances or materials in quantities or forms that may pose an unreasonable risk to health, safety, or property when transported, stored, or used in commerce is a:

- |                        |                         |
|------------------------|-------------------------|
| A. hazard class.       | B. hazardous chemical.  |
| C. hazardous material. | D. hazardous substance. |

2. Federal law requires that local establishments keep a Safety Data Sheet on file when:

- A. at a multi-use building.
- B. personnel have not received specialized hazmat training.
- C. hazardous materials are used or stored.
- D. backup emergency power is not available.

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3. The four-digit number appearing on a placard or an orange panel of a tank car is the:

- A. United Nations product identification number.
- B. capacity of the tank car.
- C. last date the tank car was pressure tested.
- D. tank car registration number.

4. A bill of lading contains valuable information about the origin of the product and is the type of shipping paper used when transporting a product by the way of:

- A. highway truck.
- B. railway.
- C. water.
- D. air.

5. Hazardous occupancies should be identified and evaluated:

- A. enroute to an emergency.
- B. during preincident planning.
- C. during training sessions.
- D. at least once a year.

6. The Department of Transportation Placarding System requires a vehicle carrying nonflammable compressed gas to display a placard colored:

- A. red.
- B. yellow.
- C. green.
- D. orange.

7. In the National Fire Protection Association 704 System of Identification, the diamond-shaped placard used for fire hazard is always colored:

- A. blue.
- B. yellow.
- C. red.
- D. white.

8. A Hazard Class of **3**, within the United Nations (UN) Labeling System indicates a:

- A. flammable gas.
- B. flammable solid.
- C. flammable/combustible liquid.
- D. poisonous liquid.

9. Using the United Nations/Department of Transportation Labeling System, a flammable liquid would receive a hazard classification of:

- A. 1.
- B. 2.
- C. 3.
- D. 4.

10. The background color of a placard that would signify a poisonous substance and that contains skull and crossbones is:

- A. yellow.
- B. orange.
- C. red.
- D. white.

11. Referring to the United States Military Marking System for Hazardous Materials, an octagon-shaped placard with a #1 on it denotes a:

- A. moderate fire hazard.
- B. chemical fire hazard.
- C. mass explosion/detonation.
- D. mass escape.

12. Referring to the United States Military Marking System for Hazardous Materials, the symbol for a mass fire hazard is:

- A. #3 in a triangle.
- B. #1 in a square.
- C. #2 in a square.
- D. #4 in a circle.

13. An explosive with a fragment hazard is denoted by the U.S. Military Marking System as a:

- A. #3 in an X.
- B. #4 in an X.
- C. #2 in an X.
- D. #4 in a circle.

14. A tractor-trailer carrying 1001 lbs. of organic peroxides, other than Type B, requires:

- A. a white placard.
- B. an orange placard.
- C. a yellow placard.
- D. no placard.

15. The National Fire Protection Association (NFPA) 704 System provides the:

- A. general hazard identification.
- B. product's chemical name.
- C. four-digit UN number.
- D. number used to look up the product's name.

16. The primary consideration in determining whether a facility is required to have Safety Data Sheet information is whether the facility:

- A. is located within 1000 feet of residential neighborhoods.
- B. has chemicals that are used in the workplace.
- C. has 24-hour security.
- D. has an area under one roof that is greater than 250,000 square feet.

17. A Dangerous Cargo Manifest may be in the:

- A. cab of the vehicle.
- B. cargo hold.
- C. cockpit.
- D. wheelhouse or bridge

18. Who is responsible for care and control of a Dangerous Cargo Manifest?

- A. Captain or master
- B. Conductor/crew
- C. Driver
- D. Pilot

19. The Environmental Protection Agency signal word - Warning - indicates:
- A. high level of toxicity
  - B. moderate level of toxicity.
  - C. low level of toxicity.
  - D. intermediate level of toxicity.
20. What would be used to determine the name of a hazardous material located in a facility?
- A. National Fire Protection Association 704 diamond
  - B. *Emergency Response Guidebook*
  - C. Shipping papers
  - D. Safety Data Sheets
21. Which Federal agency is involved in the regulation of hazardous materials and/or wastes?
- A. Department of Transportation
  - B. Local Emergency Planning Commission
  - C. Department of the Interior
  - D. Chemical Transportation Emergency Center
22. The primary hazard of a Department of Transportation Hazard Class 5 material is:
- A. radiation.
  - B. oxidation.
  - C. spontaneously combustible.
  - D. poison.
23. Which section of the *Emergency Response Guidebook* provides the fire, explosion, and health hazard information for the material identified by the first responder?
- A. Green
  - B. Yellow
  - C. Orange
  - D. Blue
24. The chemicals listed in highlighted type in the *Emergency Response Guidebook* were selected because:
- A. they present a toxic inhalation hazard.
  - B. their vapors are explosive.
  - C. they create corrosive vapors.
  - D. the actions listed in the orange section will not be effective for these chemicals.
25. The DOT Hazard Class 1 consists of:
- A. explosives.
  - B. flammable liquids.
  - C. poisons.
  - D. corrosives.
26. The Department of Transportation Hazard Class 5 consists of:
- A. oxidizers.
  - B. poisons.
  - C. flammable liquids.
  - D. flammable solids.



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33. The hazard class represented by the placard illustration below is:



- A. dangerous when wet.
- B. combustibles.
- C. health hazard.
- D. oxidizers.

34. People remaining inside until the danger passes is:

- A. protective actions.
- B. isolation areas.
- C. restricted access.
- D. sheltering in place.

35. One of the roles of the first responder at the awareness level during a Hazmat incident is to:

- A. plug the leak.
- B. operate a remote shut off.
- C. isolate the area.
- D. dike around a spill.

36. To minimize exposure to hazards, the evacuation efforts should:

- A. be led by the senior law enforcement officer.
- B. start with those in the most danger.
- C. be performed by trained hazardous materials technicians.
- D. establish a safe area downwind of the incident.

37. First responders trained to the Awareness Level can:

- A. select and use proper personal protective equipment.
- B. implement basic decontamination measures.
- C. realize the need for additional resources and make the appropriate notifications.
- D. apply basic hazard and risk assessment techniques.

38. The lead investigating agency during a terrorist attack is the:

- A. Bureau of Alcohol Tobacco and Firearms.
- B. Federal Emergency Management Association.
- C. U.S. Fire Administration.
- D. Federal Bureau of Investigation.

39. During the notification process, tactical channels may be assigned to:
- A. increase the span of control.
  - B. the media to increase site safety awareness.
  - C. ensure dedicated radio channels are available.
  - D. expedite the notification process to CHEMTREC.
40. When dealing with a radiological incident involving a leak or spill, what exposure guidelines should the hazmat first responder use to minimize radioactive contamination?
- A. Time, distance, half-life
  - B. Ionizing radiation, non-ionizing radiation, half-life
  - C. Time, distance, shielding
  - D. Alpha particles, beta particles, gamma rays
41. The initial part of assessment is:
- A. calling for the appropriate help to mitigate the incident.
  - B. recognizing the presence of hazardous materials.
  - C. determining the appropriate actions to be taken recommended by the *Emergency Response Guidebook*.
  - D. securing the area of the emergency.
42. During a suspected terrorist event, warning indicators that responders should be alert are:
- A. several people with minor injuries.
  - B. placard containers.
  - C. public gathering.
  - D. secondary devices.
43. If a hazardous material incident involves a leaking flammable substance, the first responders should immediately remove all:
- A. ignition sources.
  - B. upwind ignition sources.
  - C. large combustible tanks.
  - D. fire equipment and personnel.
44. Which is required on a pipeline marker?
- A. Pipeline owner's phone number
  - B. Size of pipeline
  - C. Pipeline depth underground
  - D. Name of emergency responder agency
45. The manufacturing and labeling of pesticides is regulated by the:
- A. Occupational Safety and Health Administration.
  - B. Environmental Protection Agency.
  - C. Comprehensive Environmental Response, Compensation and Liability Act.
  - D. Federal Emergency Management Association.

46. What organization provides an emergency call center for first responders at a hazmat emergency?

- A. The manufacturer
- B. The Local Emergency Planning Committee
- C. CHEMTREC®
- D. Occupational Safety and Health Administration

47. The acronym SLUDGEM is used to describe the signs and symptoms of exposure to which of the categories of warfare agents?

- A. Nerve agents
- B. Vesicants
- C. Nuclear agents
- D. Biological agents

48. Large tanks with hemispherical heads on both ends are:

- A. cryogenic liquid.
- B. corrosive liquid.
- C. dry bulk.
- D. high pressure.

49. Containers labeled with a Hazard Classification of 4 contain:

- A. explosives.
- B. flammable gases.
- C. flammable solids.
- D. flammable liquids.

50. Alpha particles are:

- A. gas particles.
- B. ionizing radiation like x-rays.
- C. particles with weight and mass.
- D. deadly radiation.

51. Which statement is true regarding neutron radiation?

- A. They are highly penetrating.
- B. It is commonly used in commercial and industrial operations.
- C. They are easy to measure in the field.
- D. They are usually found in common pharmacies.

52. A chemical with a vapor density of greater than one will tend to:

- A. dissipate immediately when exposed to air.
- B. collect in low areas and below-grade places.
- C. lift into the air.
- D. spontaneously combust when exposed to air.

53. Chemicals with specific gravities greater than one tend to:
- |                           |          |
|---------------------------|----------|
| A. float on water.        | B. sink. |
| C. vaporize into the air. | D. mix.  |
54. A liquid's ability to mix with water is:
- |                      |                     |
|----------------------|---------------------|
| A. solubility.       | B. surface tension. |
| C. water reactivity. | D. instability.     |
55. A reaction that is associated with over-pressurization of closed containers and occurs at a rate of one second or less is a:
- rapid relief.
  - boiling liquid expanding vapor explosion.
  - crack.
  - low pressure release.
56. \_\_\_\_\_ is the ratio of the weight of a volume of liquid to the weight of an equal volume of water.
- |                              |                  |
|------------------------------|------------------|
| A. Flammable/explosive range | B. Flash point   |
| C. Specific gravity          | D. Vapor density |
57. Determining whether a vapor will rise, or fall is:
- |                      |                      |
|----------------------|----------------------|
| A. vapor dispersion. | B. vapor density.    |
| C. vaporization.     | D. specific gravity. |
58. Water solubility is the:
- degree to which a substance will mix with water.
  - percentage of an acid or base dissolved in water.
  - measure of a substance's tendency to deteriorate another substance.
  - ratio of the weight of a volume of liquid or solid to the weight of an equal volume of water.
59. A person who is repeatedly exposed to a chemical over a long period of time may develop:
- |                           |                         |
|---------------------------|-------------------------|
| A. etiological changes.   | B. acute health hazard. |
| C. chronic health hazard. | D. chemical asphyxia.   |

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60. To contact the shipper for hazard and response information, a firefighter can obtain information number from:

- A. Computer-Aided Management of Emergency Operations.
- B. the Chemical Abstracts Service registry number.
- C. the Emergency Response Guide.
- D. the shipping papers.

61. The firefighter may obtain appropriate Safety Data Sheet information from:

- A. Computer-Aided Management of Emergency Operations.
- B. the National Response Center.
- C. Occupational Safety and Health Administration.
- D. the employer of the facility.

62. The steps that are taken to preserve the health and safety of emergency responders and the public during an incident involving releases of hazardous materials are:

- A. protective actions.
- B. isolating the hazard area and denying entry.
- C. evacuation procedures.
- D. protect in place procedures.

63. With respect to exposure, long term is:

- A. minutes and hours.
- B. days, weeks, and years.
- C. a century or more.
- D. years and generations.

64. At a terrorism incident, responders must be aware that:

- A. the incident may have taken place in a high crime area, so they should wait for the police before taking any action.
- B. the terrorist may be on the scene waiting for responders to arrive before striking again.
- C. the terrorist will not intentionally target responders, so they should consider the scene safe except for any hazardous materials present.
- D. scene control at criminal incidents is solely the responsibility of law enforcement, so they should focus on other activities.

65. The collection of evidence at a terrorist event is primarily the responsibility of:

- A. the hazmat teams.
- B. the fire department.
- C. law enforcement.
- D. the arson investigator.

66. The immediate concern with combustible liquid spills is to:

- A. apply aqueous film forming foam to the combustible liquid.
- B. prevent ignition.
- C. dike storm drains along collection route.
- D. ignite fuel to allow the combustible materials to burn off.

67. **Directions:** Read the following statements regarding vapor dispersion and select the correct answer from choices A through D.

Statement 1: Vapor dispersion involves using water spray or fans to intentionally move vapors away from certain areas.

Statement 2: Vapor dispersion is always a good idea when flammable substances are the problem.

Statement 3: Vapor dispersion is only effective with materials that are water soluble.

- A. Statement 1 is false; statements 2 and 3 are true.
- B. Statement 1 is true; statements 2 and 3 are false.
- C. Statements 1 and 2 are true; statement 3 is false.
- D. All three statements are true.

68. The area that exists just outside the hot/exclusion zone is the:

- A. warm zone.
- B. command zone.
- C. support zone.
- D. staging area.

69. Which protective action must be taken during shelter in-place protection?

- A. Close all windows.
- B. Establish a water curtain.
- C. Use positive pressure to protect the structure.
- D. Ensure heating, ventilation, air conditioning system remains operating.

70. When sheltering people in place, the citizens should be directed to:

- A. close all heating, ventilation, and air-conditioning systems.
- B. open windows for air exchange.
- C. keep all heating, ventilation, and air-conditioning systems running.
- D. periodically open the doors to relieve the pressure.

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71. The person who advises the Incident Commander of existing or potentially unsafe conditions and monitors conditions of personnel is the:

- A. Operations Officer.
- B. Safety Officer.
- C. Recon Officer.
- D. Team Leader.

72. Heat exhaustion is associated with:

- A. cold
- B. cold and clammy skin.
- C. muscle cramps in legs and abdomen.
- D. state of unconsciousness.

73. Which is a true life-threatening emergency that requires immediate attention?

- A. Heat exhaustion
- B. Heat stroke
- C. Heat stress
- D. Heat cramps

74. Which is correct regarding emergency decontamination?

- A. It must take place in the decontamination corridor.
- B. There must be environmental protection in place.
- C. The property must be protected first.
- D. It is required when immediate medical attention is necessary.

75. What would be the likely result of allowing a contaminated individual to leave the hot zone without being decontaminated?

- A. Nothing. All contaminants would likely be gone after the individual exited the hot zone.
- B. The contaminants would likely be transferred to other personnel or equipment.
- C. The individual would be treated for exposure but is no risk to others.
- D. There would be direct contamination of the warm zone.

Did you score 80% or higher Exam I-3? Circle Yes or No in ink.

We will return to your Yes or No answer to this question later in SAEP®.

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**Hazardous Material Awareness**

# **Exam Prep I-3**

**Feedback and Answers**

**Sixth Edition - 2019**

Please read instructions on next page!



**Directions:** Follow these steps carefully for completing the Feedback Part of Systematic Approach to Exam Preparation (SAEP®):

1. After entering your scores, look up the answers for the exam items you missed as well as those you guessed, even if you guessed correctly. If you are guessing it means the answer isn't perfectly clear. In this process we are committed to making you as knowledgeable as possible.
2. Enter the number of missed and guessed exam items in the blank on the next page following the end of the examination.
3. Highlight the answer in the reference materials. Once you have highlighted the answer, read the paragraph preceding and the paragraph following the one in which the correct answer is located. This is **essential** to learning the material in context and by association. These learning techniques (context/association) are the very backbone of the SAEP® method.

**Congratulations!** You have completed the Examination and Feedback Parts of SAEP® when you have highlighted your guessed and missed exam items for this exam.

1. 4.2.1 RECOGNIZE & ID 1

*Reference: NFPA 1072, 3.3.28, 4.2.1(1)*

*IFSTA, Hazardous Materials for First Responders, 5th Edition, page 9.*

Answer: C

2. 4.2.1 RECOGNIZE & ID 4

*Reference: NFPA 1072, 4.2.1 (A- 1,11) (B- 3), 5.2.1 (A-5) (B- 5).*

*IFSTA, Essentials, 7th Edition, Hazmat Awareness and Ops, page 1189.*

*IFSTA, Hazardous Materials for First Responders, 5th Edition, page 98.*

*Jones and Bartlett, Hazardous Materials Awareness and Operations, 3rd Edition, page 25.*

Answer: C

3. 4.2.1 RECOGNIZE & ID 5

*Reference: NFPA 1072, 4.2.1 (A- 4) (B- 5).*

*IFSTA, Essentials, 7th Edition, Hazmat Awareness and Ops, page 1151.*

*Jones and Bartlett, Hazardous Materials Awareness and Operations, 3rd Edition, page 35.*

*IFSTA, Hazardous Materials for First Responders, 5th Edition, page 73.*

Answer: A

4. 4.2.1 RECOGNIZE & ID 9

*Reference: NFPA 1072, 4.2.1 (A- 8, 12) (B- 5), 5.2.1 (A- 7).*

*IFSTA, Essentials, 7th Edition, Hazmat Awareness and Ops, page 1200.*

*Jones and Bartlett, Hazardous Materials Awareness and Operations, 3rd Edition, page 29.*

*IFSTA, Hazardous Materials for First Responders, 5th Edition, page 99. Table 2.10.*

Answer: A

5. 4.2.1 RECOGNIZE & ID 12

*Reference: NFPA 1072, 4.2.1 (A- 1) (B- 1).*

*IFSTA, Essentials, 7th Edition, Hazmat Awareness and Ops, page 1093.*

*IFSTA, Hazardous Materials for First Responders, 5th Edition, page 99.*

*Jones and Bartlett, Hazardous Materials Awareness and Operations, 3rd Edition, page 12.*

Answer: B

EXAM PREP: HAZARDOUS MATERIALS AWARENESS & OPERATIONS

**6. 4.2.1 RECOGNIZE & ID 16**

*Reference: NFPA 1072, 4.2.1 (A- 6,7,10) (B- 1,5).*

*IFSTA, Essentials, 7th Edition, Hazmat Awareness and Ops, page 1154, Figure 24.173.*

*IFSTA, Hazardous Materials for First Responders, 5th Edition, page 75.*

*Jones and Bartlett, Hazardous Materials Awareness and Operations, 3rd Edition, pages 34-35. Fig. 2-25.*

Answer: C

**7. 4.2.1 RECOGNIZE & ID 21**

*Reference: NFPA 1072, 4.2.1 (A- 4) (B- 5).*

*IFSTA, Essentials, 7th Edition, Hazmat Awareness and Ops, pages 1179, 1180, Figure 24.204.*

*IFSTA, Hazardous Materials for First Responders, 5th Edition, page 87.*

*Jones and Bartlett, Hazardous Materials Awareness and Operations, 3rd Edition, page 27. Fig. 2-15.*

Answer: C

**8. 4.2.1 RECOGNIZE & ID 23**

*Reference: NFPA 1072, 4.2.1, (A- 9) (B- 5).*

*IFSTA, Essentials, 7th Edition, Hazmat Awareness and Ops, pages 1151, 1159.*

*IFSTA, Hazardous Materials for First Responders, 5th Edition, page 76.*

*Jones and Bartlett, Hazardous Materials Awareness and Operations, 3rd Edition, pages 37,35.*

Answer: C

**9. 4.2.1 RECOGNIZE & ID 26**

*Reference: NFPA 1072, 4.2.1 (A- 9) (B- 5), 5.2.1 (A- 1) (B- 5).*

*IFSTA, Essentials, 7th Edition, Hazmat Awareness and Ops, pages 1151, 1159.*

*IFSTA, Hazardous Materials for First Responders, 5th Edition, page 83.*

*Jones and Bartlett, Hazardous Materials Awareness and Operations, 3rd Edition, pages 37,35. Fig. 2-25.*

Answer: C

**10. 4.2.1 RECOGNIZE & ID 30**

*Reference: NFPA 1072, 4.2.1 (A- 2) (B- 1,7)*

*IFSTA, Essentials, 7th Edition, Hazmat Awareness and Ops, page 1154, Figure 24.173.*

*IFSTA, Hazardous Materials for First Responders, 5th Edition, pages 76-*

*Jones and Bartlett, Hazardous Materials Awareness and Operations, 3rd Edition, page 35. Fig. 2-25.*

Answer: D

**11. 4.2.1 RECOGNIZE & ID 31**

*Reference: NFPA 1072, 4.2.1 (A- 2,7) (B- 1,7).*

*IFSTA, Essentials, 7th Edition, Hazmat Awareness and Ops, page 1186, Table 24.20.*

*IFSTA, Hazardous Materials for First Responders, 5th Edition, page 94.*

*Jones and Bartlett, Hazardous Materials Awareness and Operations, 3rd Edition, page 29. Fig. 2-17A*

Answer: C

**12. 4.2.1 RECOGNIZE & ID 32**

*Reference: NFPA 1072, 4.2.1 (A- 2,4,7) (B- 1,7).*

*IFSTA, Essentials, 7th Edition, Hazmat Awareness and Ops, page 1186, Table 24.20.*

*IFSTA, Hazardous Materials for First Responders, 5th Edition, page 94.*

*Jones and Bartlett, Hazardous Materials Awareness and Operations, 3rd Edition, page 29. Fig. 2-17C.*

Answer: A

**13. 4.2.1 RECOGNIZE & ID 33**

*Reference: NFPA 1072, 4.2.1 (A- 2,4,7) (B- 1,7)*

*IFSTA, Essentials, 7th Edition, Hazmat Awareness and Ops, page 1186, Table 24.20.*

*IFSTA, Hazardous Materials for First Responders, 5th Edition, page 94.*

*Jones and Bartlett, Hazardous Materials Awareness and Operations, 3rd Edition, page 29. Fig. 2-17B.*

**Answer: C**

**14. 4.2.1 RECOGNIZE & ID 35**

*Reference: NFPA 1072, 4.2.1 (A- 2,4,6) (B- 1).*

*IFSTA, Essentials, 7th Edition, Hazmat Awareness and Ops, page 1154, Figure 24,173.*

*IFSTA, Hazardous Materials for First Responders, 5th Edition, page 76.*

*Jones and Bartlett, Hazardous Materials Awareness and Operations, 3rd Edition, pages 34,35. Fig. 2-25*

**Answer: C**

**15. 4.2.1 RECOGNIZE & ID 36**

*Reference: NFPA 1072, 4.2.1 (A- 2,4) (B- 7).*

*IFSTA, Essentials, 7th Edition, Hazmat Awareness and Ops, page 1179.*

*IFSTA, Hazardous Materials for First Responders, 5th Edition, page 86.*

*Jones and Bartlett, Hazardous Materials Awareness and Operations, 3rd Edition, page 26.*

**Answer: A**

**16. 4.2.1 RECOGNIZE & ID 38**

*Reference: NFPA 1072, 4.2.1 (A- 11) (B- 1).*

*IFSTA, Essentials, 7th Edition, Hazmat Awareness and Ops, pages 1189, 1200.*

*IFSTA, Hazardous Materials for First Responders, 5th Edition, page 98.*

*Jones and Bartlett, Hazardous Materials Awareness and Operations, 3rd Edition, page 25.*

**Answer: B**

**17. 4.2.1 RECOGNIZE & ID 41**

*Reference: NFPA 1072, 4.2.1 (A-1,2) (B- 1,5), 4.3.1 (A- 1).*

*IFSTA, Essentials, 7th Edition, Hazmat Awareness and Ops, page 1201.*

*IFSTA, Hazardous Materials for First Responders, 5th Edition, page 99.*

*Jones and Bartlett, Hazardous Materials Awareness and Operations, 3rd Edition, page 30.*

**Answer: D**

**18. 4.2.1 RECOGNIZE & ID 43**

*Reference: NFPA 1072, 4.2.1 (A-1,2) (B- 1,5), 4.3.1 (A-1).*

*IFSTA, Essentials, 7th Edition, Hazmat Awareness and Ops, page 1201.*

*IFSTA, Hazardous Materials for First Responders, 5th Edition, page 99.*

*Jones and Bartlett, Hazardous Materials Awareness and Operations, 3rd Edition, page 30.*

**Answer: A**

**19. 4.2.1 RECOGNIZE & ID 46**

*Reference: NFPA 1072, 4.2.1 (A- 2) (B- 1).*

*IFSTA, Essentials, 7th Edition, Hazmat Awareness and Ops, page 1188.*

*IFSTA, Hazardous Materials for First Responders, 5th Edition, page 96.*

*Jones and Bartlett, Hazardous Materials Awareness and Operations, 3rd Edition, page 49.*

**Answer: B**

**20. 4.2.1 RECOGNIZE & ID 49**

*Reference: NFPA 1072, 4.2.1 (A- 11) (B- 7).*

*IFSTA, Essentials, 7th Edition, Hazmat Awareness and Ops, pages 1200, 1189.*

*IFSTA, Hazardous Materials for First Responders, 5th Edition, page 25.*

*Jones and Bartlett, Hazardous Materials Awareness and Operations, 3rd Edition, page 25.*

**Answer: D**

**21. 4.2.1 RECOGNIZE & ID 52**

*Reference: NFPA 1072, 4.2.1 (A- 9) (B, 7)*

*IFSTA, Essentials, 7th Edition, Hazmat Awareness and Ops, page 1101.*

*IFSTA, Hazardous Materials for First Responders, 5th Edition, page 74.*

*Jones and Bartlett, Hazardous Materials Awareness and Operations, 3rd Edition, page 27.*

**Answer: A**

**22. 4.2.1 RECOGNIZE & ID 56**

*Reference: NFPA 1072, 4.2.1 (A- 2) (B- 7).*

*IFSTA, Essentials, 7th Edition, Hazmat Awareness and Ops, pages 1151, 1159.*

*IFSTA, Hazardous Materials for First Responders, 5th Edition, pages 72, 76. Fig. 2.3*

*Jones and Bartlett, Hazardous Materials Awareness and Operations, 3rd Edition, pages 37, 35. Fig. 2-25*

**Answer: B**

**23. 4.2.1 RECOGNIZE & ID 58**

*Reference: NFPA 1072; 4.2.1 (A- 9) (B- 7).*

*IFSTA, Essentials, 7th Edition, Hazmat Awareness and Ops, page 1194, Figure 24.217.*

*IFSTA, Hazardous Materials for First Responders, 5th Edition, pages 75-76. Fig. 2.3*

*Jones and Bartlett, Hazardous Materials Awareness and Operations, 3rd Edition, page 35-36.*

**Answer: C**

**24. 4.2.1 RECOGNIZE & ID 62**

*Reference: NFPA 1072, 4.2.1 (A- 9) (B- 7).*

*IFSTA, Essentials, 7th Edition, Hazmat Awareness and Ops, page 1193.*

*IFSTA, Hazardous Materials for First Responders, 5th Edition, pages 118*

*Jones and Bartlett, Hazardous Materials Awareness and Operations, 3rd Edition, page 36.*

**Answer: A**

**25. 4.2.1 RECOGNIZE & ID 64**

*Reference: NFPA 1072, 4.2.1 (A- 9) (B- 7).*

*IFSTA, Essentials, 7th Edition, Hazmat Awareness and Ops, pages 1151, 1159.*

*IFSTA, Hazardous Materials for First Responders, 5th Edition, pages 72, 76, 78. Fig. 2.37 Fig. 2.40*

*Table 2.5.*

*Jones and Bartlett, Hazardous Materials Awareness and Operations, 3rd Edition, pages 37,35. Fig. 2-25.*

**Answer: A**

**26. 4.2.1 RECOGNIZE & ID 68**

*Reference: NFPA 1072, 4.2.1 (A- 2,6) (B- 1).*

*IFSTA, Essentials, 7th Edition, Hazmat Awareness and Ops, pages 1151, 1159.*

*IFSTA, Hazardous Materials for First Responders, 5th Edition, pages 72, 76, 78, 83, 84. Fig. 2.37 Fig.*

*2.40 Table 2.5.*

*Jones and Bartlett, Hazardous Materials Awareness and Operations, 3rd Edition, pages 37,35. Fig. 2-25.*

**Answer: A**

**27. 4.2.1 RECOGNIZE & ID 69**

Reference: NFPA 1072, 4.2.1 (A- 2,6) (B- 1).

IFSTA, Essentials, 7th Edition, Hazmat Awareness and Ops, pages 1151, 1159.

IFSTA, Hazardous Materials for First Responders, 5th Edition, pages 73, 76, 78, 84. Fig. 2.37 Fig. 2.40 Table 2.5.

Jones and Bartlett, Hazardous Materials Awareness and Operations, 3rd Edition, pages 37,35. Fig. 2-25.

Answer: B

**28. 4.2.1 RECOGNIZE & ID 79**

Reference: NFPA 1072, 4.2.1 (A- 1) (B- 3).

IFSTA, Essentials, 7th Edition, Hazmat Awareness and Ops, page 1187.

IFSTA, Hazardous Materials for First Responders, 5th Edition, page 96.

Jones and Bartlett, Hazardous Materials Awareness and Operations, 3rd Edition, page 48. Fig. 3-1

Answer: A

**29. 4.2.1 RECOGNIZE & ID 81**

Reference: NFPA 1072, 4.2.1 (A- 2,3,6) (B- 1,5,6), 5.2.1 (A- 7).

IFSTA, Essentials, 7th Edition, Hazmat Awareness and Ops, page 1187.

IFSTA, Hazardous Materials for First Responders, 5th Edition, page 96. Fig. 2.52

Jones and Bartlett, Hazardous Materials Awareness and Operations, 3rd Edition, page 49.

Answer: A

**30. 4.2.1 RECOGNIZE & ID 84**

Reference: NFPA 1072, 4.2.1 (A- 2, 3,8(m)) (B- 1).

IFSTA, Essentials, 7th Edition, Hazmat Awareness and Ops, page 1120.

IFSTA, Hazardous Materials for First Responders, 5th Edition, page 281.

Jones and Bartlett, Hazardous Materials Awareness and Operations, 3rd Edition, page 23.

Answer: A

**31. 4.2.1 RECOGNIZE & ID 85**

Reference: NFPA 1072, 4.2.1 (A- 1).

IFSTA, Essentials, 7th Edition, Hazmat Awareness and Ops, page 1155, Figure 24.174, page 1165, page 1165, Figure 24.188.

IFSTA, Hazardous Materials for First Responders, 5th Edition, pages 76, 78, 83. Fig. 2.37 Fig. 2.40 Table 2.5

Jones and Bartlett, Hazardous Materials Awareness and Operations, 3rd Edition, page 37.

Answer: B

**32. 4.2.1 RECOGNIZE & ID 88**

Reference: NFPA 1072, 4.2.1 (A- 10) (B- 5), 5.2.1 (A- 3) (B- 5).

IFSTA, Essentials, 7th Edition, Hazmat Awareness and Ops, page 1155, Figure 24.174, page 1176, table 24.17.

IFSTA, Hazardous Materials for First Responders, 5th Edition, pages 76,

Jones and Bartlett, Hazardous Materials Awareness and Operations, 3rd Edition, page 35. Fig. 2-25.

Answer: C

**33. 4.2.1 RECOGNIZE & ID 91**

Reference: NFPA 1072, 4.2.1 (A- 10) (B-5), 5.2.1 (A- 3).

IFSTA, Essentials, 7th Edition, Hazmat Awareness and Ops, page 1155, Figure 24.174., page 1176, Table 24.17.

IFSTA, Hazardous Materials for First Responders, 5th Edition, pages 75, 186-188. Fig. 4.68. Table 4.8

Jones and Bartlett, Hazardous Materials Awareness and Operations, 3rd Edition, page 35. Fig. 2-25.

Answer: A

EXAM PREP: HAZARDOUS MATERIALS AWARENESS & OPERATIONS

34. 4.3.1 INIT PROT ACT 2

*Reference: NFPA 1072, 4.3.1 (A- 2) (B- 3), 5.2.1 (A- 12) (B- 8).*

*IFSTA, Essentials, 7th Edition, Hazmat Awareness and Ops, pages 1249, 1199, 1221.*

*IFSTA, Hazardous Materials for First Responders, 5th Edition, page 128.*

*Jones and Bartlett, Hazardous Materials Awareness and Operations, 3rd Edition, page 110.*

Answer: D

35. 4.3.1 INIT PROT ACT 4

*Reference: NFPA 1072, 4.3.1 (A- 2) (B- 3).*

*IFSTA, Essentials, 7th Edition, Hazmat Awareness and Ops, pages 1194, 1234.*

*IFSTA, Hazardous Materials for First Responders, 5th Edition, page 17.*

*Jones and Bartlett, Hazardous Materials Awareness and Operations, 3rd Edition, page 19.*

Answer: C

36. 4.3.1 INIT PROT ACT 10

*Reference: NFPA 1072, 4.3.1 (A- 2,3) (B- 2,6)*

*IFSTA, Essentials, 7th Edition, Hazmat Awareness and Ops, page 1248.*

*IFSTA, Hazardous Materials for First Responders, 5th Edition, page 344.*

*Jones and Bartlett, Hazardous Materials Awareness and Operations, 3rd Edition, page 110.*

Answer: B

37. 4.4.1 NOTIFICATIONS 2

*Reference: NFPA 1072, 4.4.1 (A- 1) (B- 2).*

*IFSTA, Essentials, 7th Edition, Hazmat Awareness and Ops, page 1219.*

*IFSTA, Hazardous Materials for First Responders, 5th Edition, page 18.*

*Jones and Bartlett, Hazardous Materials Awareness and Operations, 3rd Edition, page 7.*

Answer: C

38. 4.4.1 NOTIFICATIONS 3

*Reference: NFPA 1072, 4.4.1 (A- 1).*

*IFSTA, Essentials, 7th Edition, Hazmat Awareness and Ops, page 1254.*

*IFSTA, Hazardous Materials for First Responders, 5th Edition, page 361.*

*Jones and Bartlett, Hazardous Materials Awareness and Operations, 3rd Edition, page 246,263.*

Answer: D

39. 4.4.1 NOTIFICATIONS 5

*Reference: NFPA 1072, 4.4.1 (A- 1-3) (B- 1-2).*

*IFSTA, Hazardous Materials for First Responders, 5th Edition, page 463.*

*Jones and Bartlett, Hazardous Materials Awareness and Operations, 3rd Edition, page 141.*

Answer: C

40. 5.2.1 ID POT HAZARD 1

*Reference: NFPA 1072, 5.2.1 (A- 4,8(j,g), 10(c)) (B-2,4,8), 6.6.1 (A-4,5,6) (B-1,2,5).*

*IFSTA, Essentials, 7th Edition, Hazmat Awareness and Ops, pages 1074, 1246.*

*IFSTA, Hazardous Materials for First Responders, 5th Edition, pages 168,*

*Jones and Bartlett, Hazardous Materials Awareness and Operations, 3rd Edition, page 62, 108.*

Answer: C

**41. 5.2.1 ID POT HAZARD 3**

*Reference: NFPA 1072, 5.2.1 (A- 1-3) (B- 1-5).*

*IFSTA, Essentials, 7th Edition, Hazmat Awareness and Ops, pages 1091, 1047.*

*IFSTA, Hazardous Materials for First Responders, 5th Edition, page 293,114.*

*Jones and Bartlett, Hazardous Materials Awareness and Operations, 3rd Edition, page 18.*

**Answer: B**

**42. 5.2.1 ID POT HAZARD 12**

*Reference: NFPA 1072, 5.2.1 (A- 10(d),11,12) (B- 3,4,7,8).*

*IFSTA, Essentials, 7th Edition, Hazmat Awareness and Ops, page 1260.*

*IFSTA, Hazardous Materials for First Responders, 5th Edition, page 368.*

*Jones and Bartlett, Hazardous Materials Awareness and Operations, 3rd Edition, page 100.*

**Answer: D**

**43. 5.2.1 ID POT HAZARD 15**

*Reference: NFPA 1072, 5.2.1 (A- 1,8(a,d,e,f)) (B- 2,5,8).*

*IFSTA, Essentials, 7th Edition, Hazmat Awareness and Ops, pages 1064, 1227, 1353.*

*IFSTA, Hazardous Materials for First Responders, 5th Edition, page 123.*

*Jones and Bartlett, Hazardous Materials Awareness and Operations, 3rd Edition, page 135.*

**Answer: A**

**44. 5.2.1 ID POT HAZARD 18**

*Reference: NFPA 1072, 5.2.1 (A- 1,3,4,7) (B- 2-6)*

*IFSTA, Essentials, 7th Edition, Hazmat Awareness and Ops, page 1146, 1147, Figure 24.162.*

*IFSTA, Hazardous Materials for First Responders, 5th Edition, page 276.*

*Jones and Bartlett, Hazardous Materials Awareness and Operations, 3rd Edition, page 32,34. Fig. 2-22.*

**Answer: A**

**45. 5.2.1 ID POT HAZARD 23**

*Reference: NFPA 1072, 5.2.1 (A- 1,2,3,8(b,c,d,e,f,i,l,m,n),9,10(a),11,12) (B- 1-3,8).*

*IFSTA, Essentials, 7th Edition, Hazmat Awareness and Ops, page 1182.*

*IFSTA, Hazardous Materials for First Responders, 5th Edition, page 141.*

*Jones and Bartlett, Hazardous Materials Awareness and Operations, 3rd Edition, page 48-49.*

**Answer: B**

**46. 5.2.1 ID POT HAZARD 25**

*Reference: NFPA 1072, 5.2.1 (A- 1,3,4,6).*

*IFSTA, Essentials, 7th Edition, Hazmat Awareness and Ops, pages 1222, 1226.*

*Jones and Bartlett, Hazardous Materials Awareness and Operations, 3rd Edition, page 82.*

*IFSTA, Hazardous Materials for First Responders, 5th Edition, page 204.*

**Answer: C**

**47. 5.2.1 ID POT HAZARD 30**

*Reference: NFPA 1072, 5.2.1 (A- 10(a,b)) (B- 4).*

*IFSTA, Essentials, 7th Edition, Hazmat Awareness and Ops, page1276.*

*IFSTA, Hazardous Materials for First Responders, 5th Edition, page 392.*

*Jones and Bartlett, Hazardous Materials Awareness and Operations, 3rd Edition, pages 91-92, Table 4-3.*

**Answer: A**

EXAM PREP: HAZARDOUS MATERIALS AWARENESS & OPERATIONS

48. 5.2.1 ID POT HAZARD 96

Reference: NFPA 1072, 5.2.1 (A- 2) (B- 1).

IFSTA, Essentials, 7th Edition, Hazmat Awareness and Ops, pages 1109, Figure 24.96.

IFSTA, Hazardous Materials for First Responders, 5th Edition, page 243.

Jones and Bartlett, Hazardous Materials Awareness and Operations, 3rd Edition, page 79. Fig. 4-17

Answer: D

49. 5.2.1 ID POT HAZARD 112

Reference: NFPA 1072, 5.2.1 (A- 1).

IFSTA, Essentials, 7th Edition, Hazmat Awareness and Ops, page 1151.

IFSTA, Hazardous Materials for First Responders, 5th Edition, pages 76, 78, 83. Fig. 2.37 Fig. 2.40

Table 2.5

Jones and Bartlett, Hazardous Materials Awareness and Operations, 3rd Edition, page 37.

Answer: C

50. 5.2.1 ID POT HAZARD 113

Reference: NFPA 1072, 5.2.1 (A- 8(j)).

IFSTA, Essentials, 7th Edition, Hazmat Awareness and Ops, page 1071.

FSTA, Hazardous Materials for First Responders, 5th Edition, page 163.I

Jones and Bartlett, Hazardous Materials Awareness and Operations, 3rd Edition, page 61.

Answer: C

51. 5.2.1 ID POT HAZARD 114

Reference: NFPA 1072, 5.2.1 (A- 8(j)).

IFSTA, Essentials, 7th Edition, Hazmat Awareness and Ops, page 1071

IFSTA, Hazardous Materials for First Responders, 5th Edition, page 165.

Jones and Bartlett, Hazardous Materials Awareness and Operations, 3rd Edition, page 62.

Answer: A

52. 5.2.1 ID POT HAZARD 126

Reference: NFPA 1072, 5.2.1 (A- 8(m))

IFSTA, Essentials, 7th Edition, Hazmat Awareness and Ops, page 1060.

IFSTA, Hazardous Materials for First Responders, 5th Edition, page 148.

Jones and Bartlett, Hazardous Materials Awareness and Operations, 3rd Edition, page 57.

Answer: B

53. 5.2.1 ID POT HAZARD 127

Reference: NFPA 1072, 5.2.1 (A- 8(k)).

IFSTA, Essentials, 7th Edition, Hazmat Awareness and Ops, page 1062.

IFSTA, Hazardous Materials for First Responders, 5th Edition, page 151.

Jones and Bartlett, Hazardous Materials Awareness and Operations, 3rd Edition, page 57.

Answer: B

54. 5.2.1 ID POT HAZARD 128

Reference: NFPA 1072, 5.2.1 (A- 8(m)).

IFSTA, Essentials, 7th Edition, Hazmat Awareness and Ops, page 1061.

IFSTA, Hazardous Materials for First Responders, 5th Edition, page 149.

Jones and Bartlett, Hazardous Materials Awareness and Operations, 3rd Edition, page 58.

Answer: A

**55. 5.2.1 ID POT HAZARD 129**

*Reference: NFPA 1072, 5.2.1 (A- 8(d), 12)..*

*IFSTA, Essentials, 7th Edition, Hazmat Awareness and Ops, page 1108, Figure 24.94.*

*IFSTA, Hazardous Materials for First Responders, 5th Edition, page 147.*

*Jones and Bartlett, Hazardous Materials Awareness and Operations, 3rd Edition, page 51.*

**Answer: B**

**56. 5.2.1 ID POT HAZARD 141**

*Reference: NFPA 1072, 5.2.1 (A- 8(k))..*

*IFSTA, Essentials, 7th Edition, Hazmat Awareness and Ops, page 1062.*

*IFSTA, Hazardous Materials for First Responders, 5th Edition, page 151.*

*Jones and Bartlett, Hazardous Materials Awareness and Operations, 3rd Edition, page 57.*

**Answer: C**

**57. 5.2.1 ID POT HAZARD 145**

*Reference: NFPA 1072, 5.2.1 (A- 8(m)).*

*IFSTA, Essentials, 7th Edition, Hazmat Awareness and Ops, page 1060.*

*IFSTA, Hazardous Materials for First Responders, 5th Edition, pages 148-149.*

*Jones and Bartlett, Hazardous Materials Awareness and Operations, 3rd Edition, page 56.*

**Answer: B**

**58. 5.2.1 ID POT HAZARD 156**

*Reference: NFPA 1072, 5.2.1 (A- 8(m)).*

*IFSTA, Essentials, 7th Edition, Hazmat Awareness and Ops, page 1061.*

*IFSTA, Hazardous Materials for First Responders, 5th Edition, page 149.*

*Jones and Bartlett, Hazardous Materials Awareness and Operations, 3rd Edition, page 58.*

**Answer: A**

**59. 5.3.1 ID ACTION OPT 5**

*Reference: NFPA 1072, 5.3.1 (A-15).*

*IFSTA, Essentials, 7th Edition, Hazmat Awareness and Ops, pages 1049, 1077.*

*IFSTA, Hazardous Materials for First Responders, 5th Edition, page 21*

*Jones and Bartlett, Hazardous Materials Awareness and Operations, 3rd Edition, pages 63, 68.*

**Answer: C**

**60. 5.3.1 ID ACTION OPT 14**

*Reference: NFPA 1072, 5.3.1 (A- 8), 4.4.1 (A- 1).*

*IFSTA, Essentials, 7th Edition, Hazmat Awareness and Ops, page 1200.*

*IFSTA, Hazardous Materials for First Responders, 5th Edition, page 99.*

*Jones and Bartlett, Hazardous Materials Awareness and Operations, 3rd Edition, page 29.*

**Answer: D**

**61. 5.3.1 ID ACTION OPT 16**

*Reference: NFPA 1072, 5.3.1 (A- 7).*

*IFSTA, Essentials, 7th Edition, Hazmat Awareness and Ops, page 1200.*

*IFSTA, Hazardous Materials for First Responders, 5th Edition, pages 88, 199.*

*Jones and Bartlett, Hazardous Materials Awareness and Operations, 3rd Edition, page 25.*

**Answer: D**

EXAM PREP: HAZARDOUS MATERIALS AWARENESS & OPERATIONS

62. 5.3.1 ID ACTION OPT 28

Reference: NFPA 1072, 5.3.1 (A- 1-5,12-13) (B- 1-2), 5.4.1 (A- 1-6) (B- 1-2).

IFSTA, Essentials, 7th Edition, Hazmat Awareness and Ops, pages 1194-1199.

IFSTA, Hazardous Materials for First Responders, 5th Edition, page 127.

Jones and Bartlett, Hazardous Materials Awareness and Operations, 3rd Edition, page 137.

Answer: A

63. 5.3.1 ID ACTION OPT 29

Reference: NFPA 1072, 5.3.1 (A-13,17)

IFSTA, Essentials, 7th Edition, Hazmat Awareness and Ops, page 1090.

IFSTA, Hazardous Materials for First Responders, 5th Edition, page 225.

Answer: D

64. 5.4.1 ACT PLAN IMPL 3

Reference: NFPA 1072, 5.4.1 (A- 1) (B- 1,2), 5.2.1 (A- 12,11) (B- 8)

IFSTA, Essentials, 7th Edition, Hazmat Awareness and Ops, page 1260.

IFSTA, Hazardous Materials for First Responders, 5th Edition, page 129.

Jones and Bartlett, Hazardous Materials Awareness and Operations, 3rd Edition, page 100.

Answer: B

65. 5.4.1 ACT PLAN IMPL 5

Reference: NFPA 1072, 5.4.1 (A- 5) (B- 3)

IFSTA, Essentials, 7th Edition, Hazmat Awareness and Ops, page 1252.

IFSTA, Hazardous Materials for First Responders, 5th Edition, page 654.

Jones and Bartlett, Hazardous Materials Awareness and Operations, 3rd Edition, page 246.

Answer: C

66. 5.4.1 ACT PLAN IMPL 8

Reference: NFPA 1072, 5.4.1 (A- 1,9) (B- 1,2)

IFSTA, Essentials, 7th Edition, Hazmat Awareness and Ops, page 1227.

IFSTA, Hazardous Materials for First Responders, 5th Edition, pages 123, 616.

Jones and Bartlett, Hazardous Materials Awareness and Operations, 3rd Edition, page 135.

Answer: B

67. 5.4.1 ACT PLAN IMPL 10

Reference: NFPA 1072, 5.4.1 (A- 1) (B-1,2), 5.3.1 (A- 3)

IFSTA, Essentials, 7th Edition, Hazmat Awareness and Ops, pages 1346, 1344.

IFSTA, Hazardous Materials for First Responders, 5th Edition, pages 152, 312, 616. Table 6.1.

Jones and Bartlett, Hazardous Materials Awareness and Operations, 3rd Edition, page 277.

Answer: B

68. 5.4.1 ACT PLAN IMPL 15

Reference: NFPA 1072, 5.4.1 (A- 1) (B- 1,2)

IFSTA, Essentials, 7th Edition, Hazmat Awareness and Ops, page 1243,  
page 1075, Figure 24.43.

IFSTA, Hazardous Materials for First Responders, 5th Edition, page 335. Fig. 7.13.

Jones and Bartlett, Hazardous Materials Awareness and Operations, 3rd Edition,  
pages 137,136,153. Fig. 6-5

Answer: A

69. 5.4.1 ACT PLAN IMPL 18

Reference: NFPA 1072, 5.4.1 (A- 3), 4.3.1 (A- 1-3) (B- 1,2,3,5).

IFSTA, Essentials, 7th Edition, Hazmat Awareness and Ops, page 1250.

IFSTA, Hazardous Materials for First Responders, 5th Edition, page 346.

Jones and Bartlett, Hazardous Materials Awareness and Operations, 3rd Edition, page 139.

Answer: A

70. 5.4.1 ACT PLAN IMPL 19

Reference: NFPA 1072, 5.4.1 (A- 3) (B- 1,2), 4.3.1 (A- 1-3) (B- 1,2,3,5).

IFSTA, Essentials, 7th Edition, Hazmat Awareness and Ops, page 1252.

IFSTA, Hazardous Materials for First Responders, 5th Edition, page 346.

Jones and Bartlett, Hazardous Materials Awareness and Operations, 3rd Edition, page 139.

Answer: A

71. 5.4.1 ACT PLAN IMPL 28

Reference: NFPA 1072, 5.4.1 (A- 6(a,b,c,d)).

IFSTA, Hazardous Materials for First Responders, 5th Edition, page 323. Fig. 7.2

Jones and Bartlett, Hazardous Materials Awareness and Operations, 3rd Edition, page 145.

Answer: B

72. 5.4.1 ACT PLAN IMPL 45

Reference: NFPA 1072, 5.4.1 (A- 8,9), 6.2.1 (A- 3).

IFSTA, Essentials, 7th Edition, Hazmat Awareness and Ops, page 1365.

IFSTA, Hazardous Materials for First Responders, 5th Edition, page 554.

Jones and Bartlett, Hazardous Materials Awareness and Operations, 3rd Edition, page 142.

Answer: B

73. 5.4.1 ACT PLAN IMPL 46

Reference: NFPA 1072, 5.4.1 (A- 8,9).

IFSTA, Essentials, 7th Edition, Hazmat Awareness and Ops, page 1331.

IFSTA, Hazardous Materials for First Responders, 5th Edition, page 455.

Jones and Bartlett, Hazardous Materials Awareness and Operations, 3rd Edition, page 142.

Answer: B

74. 5.5.1 EMERG DECON 3

Reference: NFPA 1072, 5.5.1 (A- 4,5) (B- 1,4), 5.3.1 (A- 18,19) (B- 3)

IFSTA, Essentials, 7th Edition, Hazmat Awareness and Ops, page 1238.

IFSTA, Hazardous Materials for First Responders, 5th Edition, page 314.

Jones and Bartlett, Hazardous Materials Awareness and Operations, 3rd Edition, pages 124, 210.

Answer: D

75. 6.2.1 PERS PROT EQUI 3

Reference: NFPA 1072, 6.2.1 (A- 1,3) (B-2)

IFSTA, Essentials, 7th Edition, Hazmat Awareness and Ops, page 1359.

IFSTA, Hazardous Materials for First Responders, 5th Edition, page 479.

Jones and Bartlett, Hazardous Materials Awareness and Operations, 3rd Edition, page 126.

Answer: B

**Don't forget to enter the information on your Personal Progress Plotter and answer the Yes and No question at the end of the Exam. This step is extremely important**

**for the successful completion of the Systematic Approach to Examination Preparation!**

Proceed to Phase III and Phase IV. Study the materials carefully in these important Phases. They will help you polish your exam taking skills. Approximately two to three days **prior** to taking your next examination carefully read all the highlighted information in the reference materials using the same techniques applied during the Feedback part. This will reinforce your learning and provide you with an added level of confidence going into the examination.

➤ **Rule #7 – GOOD LUCK = GOOD PREPARATION**

Someone once said to famous professional golfer Tom Watson after he won several tournament championships, "You are really lucky to have won those championships. You are really on a streak." Tom was reported to have said, "*Yes, there is some luck involved but what I've really noticed is that the more I practice the luckier I get.*" What Watson was saying is that good luck usually is the result of good preparation. This line of thinking certainly applies to learning the rules and hints of exam preparation.