

Exam Blueprint – Critical Incident Management

Below is the exam blueprint based off the job task analysis, SME, and IFPO psychometric process to verify reliability, validity, and fairness. The tables below identifies the proportion of questions from each domain and passing score that will appear on the assessment. The assessment will include the application of concepts, knowledge and comprehension, definitions, synthesis, evaluation, development of conclusions, ideas and recommendations for action based on hypothetical situations.

Domain	Percentage of Items on Test	% of exam questions	Number of Questions (100)
Leadership and Management	25%	25%	25
Chemical Incidents	11%	11%	11
Biological Incidents	11%	11%	11
Radiological Incidents	11%	11%	11
Nuclear Incidents	11%	11%	11
Explosive Incidents	11%	11%	11
Decontamination	10%	10%	10
Communications	10%	10%	10
		Passing %: 80	Passing Score: 80%

Leadership and Management

Domain Task	Percentage
1.	Evaluate factors affecting risk
2.	Analyze Mortality rate
3.	Evaluate who are first responders
4.	Analyze critical infrastructure
5.	Evaluate the main goal of management of a CBRNE incident: Lives, Property and Recovery
6.	Evaluate ICS, NIMS and MACS
7.	Evaluate hazard assessment
8.	Analyze Capabilities
9.	Analyze threat assessment
10.	Compare and contrast short and long term recovery
11.	Evaluate when evacuation is used
12.	Analyze ICS, NIMS and MACS
13.	Evaluate hazard assessment
14.	Analyze shelter in place
15.	Evaluate the goal of terrorism
16.	Analyze Consequential Leadership / Management
17.	Four types of leadership style: Situational, Strategic, Transformational, and Democratic.
18.	Compare and Contrast the Emergency Preparedness Cycle
19.	Compare and Contrast preparedness, planning, prevention, response, mitigation, recovery
20.	Analyze long lasting effects for Emergency rescue
21.	Analyze when shelter in place is used
22.	Analyze operational objective
23.	Analyze the importance of PPE
24.	Evaluate the importance of a PPE plan, training and documentation
25.	Analyze information on the CDC website for Chemicals and Biological hazards
26.	Analyze hazards
27.	Analyze the types of catastrophes
28.	Evaluate when rescue is used

29.	Analyze initial isolation zone
30.	Evaluate what are casualties
31.	Analyze operational objective

Chemical	
Domain	Percentage
1.	Evaluate signs of exposure
2.	Analyze four routes exposure
3.	Evaluate categories of hazardous chemicals
4.	Analyze Blistering Agents
5.	Analyze Blood Agents
6.	Analyze Cyanide Agents
7.	Analyze Caustic Agents
8.	Analyze Chocking Agents
9.	Analyze Incapacitating Agents
10.	Analyze Long-acting Anticoagulants
11.	List Metal Poison Agents
12.	Analyze Nerve Agents
13.	Analyze Organic Solvents
14.	Identity Vomiting Agents
15.	Analyze Industrial Chemicals
16.	Analyze Basic Decontamination

Biological	
Domain	Percentage
17.	Analyze signs of exposure
18.	Analyze four routes exposure
19.	Analyze the three Categories A-C
20.	List single celled organisms
21.	Analyze Bacteria
22.	Analyze Viruses
23.	Analyze Biotoxins
24.	List two food safety threats
25.	Analyze Basic Decontamination

Radiological	
Domain	Percentage
1.	Analyze the components of an atom
2.	Compare and contrast alpha, beta and gamma rays
3.	Analyze signs of exposure
4.	Analyze four routes exposure
5.	Analyze the components that make up radiation
6.	Analyze radiation
7.	Analyze the exposure rate
8.	Know the difference between ionizing and non-ionizing
9.	Analyze decay
10.	Analyze half life
11.	Analyze radioactive material
12.	Analyze a dose of radiation

13.	Analyze Roentgen, rad, and rem
14.	Know the units of measure and the effects on the body
15.	Analyze Acute radiation
16.	Analyze the effects of shielding
17.	Analyze what is a Radiological Dispersal Device
18.	Analyze Radioactive Improvised Explosive Device

Nuclear	
Domain	Percentage
1.	Evaluate signs of exposure
2.	Analyze Atomic Energy
3.	Analyze a shock wave
4.	Analyze Blast Effect
5.	Analyze Detonation
6.	Analyze the difference effects caused by dynamic pressure and thermal burns
7.	Analyze Beta burn
8.	Analyze fallout
9.	Analyze Electromagnetic Pulse
10.	Compare and contrast nuclear fuel and material

Explosive	
Domain	Percentage
1.	Evaluate signs of exposure
2.	Analyze bomb
3.	Analyze explosive
4.	Analyze the two types of explosives: High (HE) and Low (LE)
5.	Evaluate types of high explosives
6.	Evaluate types of low explosives
7.	Analyze pipe bomb
8.	Evaluate what is a home-made device
9.	Analyze shrapnel
10.	Analyze what a secondary device is used for
11.	Name common injuries from an IED
12.	Analyze what is a dirty bomb
13.	Analyze combined injury
14.	Name the four categories of blast injuries

Decontamination	
Domain	Percentage
1.	Analyze Decontamination
2.	Evaluate the five forms of contamination: Vapor, liquid, aerosol, solid, and hazardous transmissions
3.	Analyze Mass Decontamination
4.	Analyze the four categories of PPE
5.	Analyze how the Interagency Modeling and Atmospheric Assessment Center (IMAAC) can help during a nuclear attack
6.	Compare and contrast dry and wet decontamination
7.	Analyze the difference between exposure and contamination
8.	Evaluate the reasons for decontamination

9.	Analyze the Buddy system
10.	Discuss the four color triage categories
11.	Discuss signs and symptoms to help Evaluate the material
12.	Evaluate the three types of zones associated with decontamination and each zone responsibility
13.	Analyze Technical decontamination
14.	Analyze how and when emergency decontamination is used
15.	Compare and Contrast ambulatory and non-ambulatory
16.	Analyze the Pet Evacuation and Transportation act
17.	Analyze cross contamination
18.	Analyze Decontamination
19.	Evaluate the five forms of contamination: Vapor, liquid, aerosol, solid, and hazardous transmissions

Communications	
Domain	Percentage
1.	Analyze when communication is important: Before, during and after
2.	Evaluate two type of communications
3.	Analyze what type on language is used and not used
4.	Recognize barriers in communication
5.	Evaluate alternatives forms
6.	Evaluate the Robert T. Stafford Disaster Relief Emergency Assistance Act
7.	Analyze continuity of communications
8.	Evaluate resources at all levels: Local, state, State National Guard, Federal, and Military
9.	Evaluate who is can be affected by a cyber attack
10.	Analyze how nuclear, water, power, and chemical plants can be affected by cyber attacks
11.	Evaluate the three threats: Natural, Accidental, and Human Analyze insider attacks

Sample Questions

- A tornado destroyed a local community. This is an example of a(n)_____ causes.
 - Natural**
 - Human
 - Intentional
 - Predictable
- Chemical weapon agents are classified by their clinical effects. Each of the following is an important class of chemical agents except one:
 - Choking agents
 - Blood agents
 - Liver agents**
 - Nerve agents
- All of the following should raise the suspicion of a chemical or biological weapon attack except one:
 - Spraying activity in an inappropriate area.
 - Smoke or detectable material in the air.
 - Animals in the region are ill or dead, but humans are unaffected.**
 - An unevaluated odor inappropriate for the context of its surroundings.