NFPA Hazardous Materials Operations

STANDARDS & ACCREDITATION					
Exam Name	NFPA Hazardous Mat	NFPA Hazardous Materials Operations			
NFPA Standard	472	Edition	2013		
Chapter	5	Next Edition	*2018		
IFSAC Accredited	Accredited Test Purpose		Evaluate		
			competency		
Prerequisite	See Policy and Procedure Manual, Section 17.5.2				
Certifications	Hazardous Materials Awareness				

WRITTEN EXAM INFORMATION					
Questions Per Test	100	Time Allowed	120 minutes		
Minimum Score	70%	Graded By	NSFM Staff		
Test Developed By	Performance Training Systems, Inc.	Last Update	2014		
Type of Questions	Multiple choice	# of Questions in the Bank	277		
Student Required Materials	Number 2 Pencil				

SKILLS EXAM INFORMATION				
# of Skills in Bank	18	# of Skills Tested	6	
# of Phase I Skills	N/A	# of Skills Tested	N/A	
Grading Criteria	Pass/Fail as outlined on individual skill sheet			
Required	AHJ PPE			
Materials				
Selected Skills	SCBA Donning will always be tested			

SPECIAL INFORMATION			
Retest Policy	Please reference the Policy and Procedure Manual		
# of Proctors	1 proctor per 30 students		
(written)			
# of Evaluators	1 evaluator per every 5 candidates		
(skills)			

^{*} Edition tentative per NFPA

Attached, please find some sample written examination questions.

1.		ie eignt-step proces cident includes:	ss recommended	i for asses	sing a nazaroo	us materiais			
	В. С.	hazard and risk evimplementing responsifing for odors, Both A & B are co	ponse objectives. and tasting the n						
8.	If a numbered guide for a transported hazardous material cannot be obtained by following the three steps outlined on page 1 of the DOT Emergency Response Guidebook, the first responder should:								
	В. С.	 call CHEMTREC immediately. contact the carrier of the chemical. see if the placard is visible, refer to the Table of Placards section of the Guidebook. assume the material may undergo violent polymerization if subjected to heat or contamination. 							
9.		hich of the following actural firefighting					s of		
	В. С.	Protection from heat, moisture and ordinary hazards associated with firefighting; provides thermal, impact, and cut/abrasion protection; offers limited chemical protection. Protection from heat, moisture and hazards associated with firefighting; can be worn for decontamination activities; is acid but not base resistant. Protection from heat and impacts; shields or insulates from chemical hazards; is corrosive resistant but not vapor tight. Protection from heat, moisture and impacts; provides long-term protection from extreme weather conditions and unlimited range of motion; is resistant to permeation, but not penetration.							
10.	Th	e concentration that	at <u>should never</u>	be exceed	ed is called:				
	A.	TLV-C.	B. PEL.	C.	TLV-TWA.	D. STEL.			
11.		At a hazardous materials incident, which function area is responsible for developing a special technical group to the basic incident command system?							
	A.	Planning	B. Logistics	C. C	Command	D. Operations			
12.	WI	hat should respond	ders do with runof	f from eme	ergency decon	tamination?			
	B.	 Flush into a convenient storm drain using copious amounts of water. Divert into an area where it can be treated or disposed of later. Try to delay decontamination until a decontamination corridor or area is established, which will eliminate the runoff problem. 							

D. Perform the decontamination process in the hot zone so that runoff just becomes

part of the original problem.

- 13. 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 definition for a:
 - B. hazardous chemical. B. hazardous chemical.
 D. hazardous substance. A. hazard class.
 - C. hazardous material.
- 14. Defensive control techniques that operations level personnel are permitted to engage in are:
 - A. monitoring and capping.B. dike, dam, diversion, and retention.C. overpacking and diluting.D. clamping and neutralizing.

15. The DOT Hazard Class 6 includes all of the following except:

B. infectious substances. A. liquid poisons.

D. poison gases. C. poison solids.

- 16. Directions: Read the following statements regarding limitations of personnel working in PPE and select your answer from choices A-D.
 - A responder's physical, mental, or emotional condition can cause Statement 1: problems with using PPE.
 - Practice and conditioning can help reduce psychological limitations Statement 2: of PPE users.
 - Training and education can help reduce physical limitations of Statement 3: PPE users.
 - A. Statement 1 is true; statements 2 and 3 are false.
 - B. Statements 1 and 2 are true; statement 3 is false.
 - C. Statement 1 is false; statements 2 and 3 are true.
 - D All three statements are true.
- 17. 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-iodizing radiation, half-life
 - C. Time, distance, shielding
 - D. Alpha particles, beta particles, gamma rays
- 18. At a terrorism event, when preserving evidence, it is important to do all of the following except:
 - A. avoid touching anything unless necessary.
 - B. minimize the number of people working in the area.
 - C. take photographs or video of the scene.
 - D move evidence to another location.

	inc	clude all of the follo	win	g <u>except</u> :					
		discoloration of the leakage of the haz				a high-pitched wh a change in the pe			∢.
20.	Which of the following is not a response objective for hazardous material incidents?								
	A.	Leak control	B.	Rescue	C.	Recovery	D.	Reporting	
21. The individual responsible for establishing and managing the overall plan, developing an organizational structure, and allocating resources <u>best</u> describes the:									
		Safety Officer. Operations Section	ns (Chief.		. Incident Comma . Decontamination	_		
22.	Gu	the 62 guides four idebook, only two, liation) list	Gui	ides 161 and 162 (low	level and low to m	ode	rate level	e
	B. C.	street clothes or w chemical-protective SCBA and street of SCBA and structu	e cl	othing and equipm	าร				
23.	Pri	Prior to entry into a confined space, defensive actions taken should include:							
	В. С.	A. diking or remote closing a valve. B. pretest all equipment. C. brief all personnel on the incident action plan. D. establish a crew rotation schedule.							
24.	Αŗ	process by which o	ne s	substance combine	es w	rith a second subst	tanc	e is called:	
	A.	absorption.	₿.	dispersion.	С	. suppression.	[). diversion.	
25.	Which of the package labels listed below indicates the highest radiation hazard?								
		Radioactive White Radioactive Yellov				Radioactive Yellov Radioactive Blue-I			

19. Under fire conditions, indicators preceding a rupture of a compressed gas tank