

Chapter 2: Fire Fighter Qualifications and Safety

NOTES

- _____ 1. According to the applicable NFPA standard, who chooses which fitness-testing method to use for fire fighters?
 - A. The standard itself specifies this.
 - B. The applicable state or provincial testing authority
 - C. The state or provincial AMA chapter
 - D. Each fire department

- _____ 2. Approximately how many fire fighters are killed in the line of duty each year in the United States?
 - A. 10
 - B. 100
 - C. 1,000
 - D. 10,000

- _____ 3. At what types of emergency incidents should IMS be implemented?
 - A. At all emergency incidents
 - B. At structure fires only
 - C. At hazardous materials incidents only
 - D. At known-victim incidents only

- _____ 4. What is one essential element of safe emergency operations?
 - A. Freelancing
 - B. Canine operations
 - C. Teamwork
 - D. Heroism

- _____ 5. At a minimum, how much time should fire fighters spend in physical fitness training on a daily basis?
 - A. Fifteen minutes
 - B. Thirty minutes
 - C. One hour
 - D. Two hours

- _____ 6. What authority do the safety officers have on the fireground to stop any activity that they judge to be unsafe?
 - A. None
 - B. They may make non-emergency recommendations to the IC only.
 - C. They may make emergency-traffic recommendations to the IC only.
 - D. Total authority

- _____ 7. Fire fighters should drink how much water for every 5 to 10 minutes of physical exertion?
 - A. Two to four ounces
 - B. Eight to ten ounces
 - C. Eighteen to twenty ounces
 - D. Thirty-eight to forty ounces

NOTES

- _____ 8. What relationship, if any, is there between habits developed in training and habits that will be displayed on the fireground?
- A. Fireground habits will always be more careful and correct than those shown in training.
 - B. Fireground habits are necessarily abbreviated and cruder than those shown in training.
 - C. Habits developed in training will manifest on the fireground.
 - D. There is no apparent relationship between these two types of habits.
- _____ 9. When is freelancing acceptable on the training ground?
- A. Always
 - B. Never
 - C. Only when practicing skills already taught
 - D. Only when experimenting with new equipment
- _____ 10. What is the rule about fire fighter seat belt use while en route to an emergency call?
- A. Seat belts must be worn.
 - B. Seat belts must be worn except if donning PPE or SCBA.
 - C. Seat belts may be worn.
 - D. Seat belts are normally not worn.
- _____ 11. What term is used by some departments to indicate that fire fighters must work in teams of at least two and remain in constant communication with each other?
- A. The freelancing system
 - B. The two-in, two-out system
 - C. The Noah's Ark system
 - D. The buddy system
- _____ 12. What is the minimum number of fire fighters required to make up a firefighting team?
- A. 6
 - B. 4
 - C. 3
 - D. 2
- _____ 13. At least one member of every interior firefighting team should be equipped with this specific instrument for communication.
- A. A two-way radio
 - B. A pager
 - C. A strobe
 - D. A whistle
- _____ 14. When, if ever, may a fire apparatus be driven over a downed power line?
- A. Any time
 - B. Only if it is not raining
 - C. Only if it can be done in such a way that no two tires ever touch the downed line at the same time
 - D. Never
- _____ 15. If a fire fighter on the fireground is discovered to be in heat stroke, what is an appropriate radio message to send?
- A. None
 - B. Mayday
 - C. Rehabilitation request
 - D. Advisory to officer

- _____ 16. What other piece of equipment must be worn with structural firefighting PPE and SCBA?
- A. PASS device
 - B. IACOM communicator
 - C. AGPS tracking system
 - D. IEEA reflecting metal
- _____ 17. Fire helmets have an inner liner for added _____ protection.
- A. thermal
 - B. chemical
 - C. radioactive
 - D. acoustical
- _____ 18. How are protective hoods worn?
- A. Over the face piece but under the helmet
 - B. Over the face piece and over the helmet
 - C. Under the face piece and under the helmet
 - D. Under the face piece but over the helmet
- _____ 19. What is one required feature of structural firefighting boots?
- A. Overheat detection label
 - B. Steel shin plate
 - C. Reinforced toe
 - D. Snow tread
- _____ 20. A PASS device can be set off manually or will go off automatically under what circumstances?
- A. If the device senses one or more specific gases
 - B. If the device is motionless for a set period of time
 - C. If the device senses a rapid rise in temperature
 - D. If the device is submerged for more than a few seconds
- _____ 21. What gas, produced by combustion, kills by competing with oxygen for red blood cells, thus asphyxiating the victim?
- A. Sulfur dioxide
 - B. Anhydrous ammonia
 - C. Carbon monoxide
 - D. Methyl ethyl ketone
- _____ 22. How does the realistic use time of an SCBA compare to its rated use time?
- A. The rated time is considerably less
 - B. The rated time is somewhat less
 - C. The two times are usually very close
 - D. The realistic time will be considerably less
- _____ 23. When should fire fighters use the by-pass mode on SCBA?
- A. When the tank is near empty
 - B. When the regulator malfunctions
 - C. When the air supply is contaminated
 - D. When the PASS device is going off
- _____ 24. NFPA standards require a low-air alarm to activate on SCBA when a certain percentage of air is left. What percentage?
- A. 25%
 - B. 20%
 - C. 15%
 - D. 5%

NOTES

- _____ 25. According to the applicable NFPA standard, how often must fire fighters have their SCBA face pieces fit-tested?
- A. Monthly
 - B. Every six months
 - C. Every twelve months
 - D. Every three years
- _____ 26. What is the purpose of skip breathing?
- A. To enhance concentration
 - B. To suppress nausea
 - C. To conserve air
 - D. To test the SCBA unit
- _____ 27. During routine SCBA checks, the pressure on the cylinder gauge must be in agreement with the regulator or remote pressure gauge within what range?
- A. 400 psi
 - B. 200 psi
 - C. 100 psi
 - D. 50 psi
- _____ 28. What is the first step in cleaning SCBA?
- A. Rinse the entire unit with a hose with clean water.
 - B. Remove the face piece glass from the rubber seating.
 - C. Fully discharge the compressed air cylinder.
 - D. Pressurize the corrugated air tubing.
- _____ 29. Special procedures must be used when filling SCBA cylinders to ensure:
- A. that the percentage of injected helium into the breathing air is within 3% of 11%.
 - B. that the air being used to fill the cylinder is not contaminated.
 - C. that the cylinder does not become too cold during filling.
 - D. that the fill includes a hydrostatic test of the tubing.
- _____ 30. What type of breathing apparatus recycles the user's exhaled air?
- A. Closed-circuit
 - B. Single-stage
 - C. Double-stage
 - D. Non-rebreathing

Answer Key: Chapter 2

1. D
Page: 22
2. B
Page: 23
3. A
Page: 24
4. C
Page: 24
5. C
Page: 25
6. D
Page: 24
7. B
Page: 25
8. C
Page: 26
9. B
Page: 26
10. A
Page: 26
11. D
Page: 27
12. D
Page: 27
13. A
Page: 27
14. D
Page: 28
15. B
Page: 29
16. A
Page: 31
17. A
Page: 32
18. A
Page: 33
19. C
Page: 35
20. B
Page: 35
21. C
Page: 43
22. D
Page: 46
23. B
Page: 48
24. A
Page: 48
25. C
Page: 49
26. C
Page: 50
27. C
Page: 50
28. A
Page: 64
29. B
Page: 64
30. A
Page: 45

