



WASHINGTON COUNTY VOLUNTEER FIRE & RESCUE
ASSOCIATION STANDARDS MANUAL

Title: Pre-Fire Essentials Written Examination

Effective Date:

Revision Date(s): 01/01/1999

Approval:

Review without revision:

Number of Pages: 8

SOG Number: 4-6

This is a 25-question test to evaluate the student's comprehension of material covered in these lessons.

Each question is worth 4 percentage points. The students must obtain a score of 70% or greater in order to pass the test.

All questions are multiple choice and there is only 1 correct answer for each question. The student should circle the correct answer.

Student Name: _____

Final Score: _____

Date: _____

Evaluator: _____



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1. Fire (combustion) is:

- A. The amount of heat to raise the temperature of one pound of water 1% F
- B. The amount of heat needed to raise the temperature of water 1% C
- C. A chemical reaction where a substance absorbs heat energy
- D. Rapid oxidation of a fuel being accompanied by light & heat

2. Which of the following is not a part of the fire tetrahedron?

- A. Heat
- B. Oxygen
- C. Chemical
- D. Carbon Monoxide

3. Which is not a phase of fire development?

- A. Free burning stage
- B. Incipient stage
- C. Backdraft stage
- D. Smoldering stage

4. Which is not a method of heat transfer?

- A. Flashover
- B. Conduction
- C. Convection
- D. Radiation

5. All of the following are products of combustion except:

- A. Smoke
- B. Heat
- C. Fire Gases
- D. Water



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6. Protective coat and pants protect you from all the following except:
- A. Heat/Cold
 - B. Sharp objects
 - C. Sweating
 - D. Blunt objects
7. Placing extinguishing agent directly on the base of the fire is called:
- A. Indirect attack
 - B. Combination attack
 - C. Exterior attack
 - D. Direct attack
8. When the flow of water through a fire hose suddenly stops the resulting surge is called a:
- A. Solid stream
 - B. Water hammer
 - C. Fog stream
 - D. Static pressure
9. A Class BC extinguisher will extinguish which type of fires:
- A. Ordinary combustibles and energized electrical
 - B. Combustible metals and flammable liquids
 - C. Energized electrical and combustible metals
10. The part of the rope that is to be used for work, such as hoisting, pulling, snubbing etc. is called the:
- A. Running part
 - B. Loop part
 - C. Bight part
 - D. Standing part



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11. The upper section or top sections of an extension ladder is called the:

- A. Fly
- B. Ground
- C. Halyard
- D. Butt

12. What are the four characteristics of a good knot?

- A. Easily tied, easily untied when wet, secure without slipping, tight
- B. Easily tied, hard to untie when wet, secure with some slipping, not too tight
- C. Easily tied, secure without slipping, not too tight, tied only when wet
- D. Easily untied, even when wet, tied only when dry, secure without slipping, tight

13. What are the two types of ladder construction?

- A. Truss beam, solid beam
- B. Steel, wood
- C. Wood metal
- D. None of the above

14. What is the weight of a gallon of water?

- A. 3.5 lbs.
- B. 8.35 lbs.
- C. 10 lbs.
- D. 1.5 lbs.

15. What device is used to combine the flow of water?

- A. Siamese
- B. Wye
- C. Gate valve
- D. Nozzle



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16. What device is used to divide the flow of water?

- A. Wye
- B. Siamese
- C. Double male
- D. Gate valve

17. Where is the hose stream placed in a rescue situation?

- A. Between you and the fire
- B. Between the and the victims
- C. Placed in the fire for extinguishment
- D. None of the above

18. What size hole should be made when opening a roof for ventilation?

- A. 4 x 4
- B. 8 x 8
- C. 12 x 12
- D. 10 x 10

19. What is the objective of overhaul?

- A. To seek out all water and smoke damage and remove them
- B. To seek out every flowing spark and ember and extinguish them
- C. To remove all burned and damaged property
- D. None of the above

20. What class of fire extinguisher would you use to extinguish a pile of burning metal?

- A. Water
- B. BC
- C. ABC
- D. D



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21. When a rescue from a window is to be performed the ladder should be placed?
- A. To the left of the window
 - B. Just below the window
 - C. To the right of the window
 - D. Three rungs into the window
22. Which of the following is discharged from a smooth bore nozzle:
- A. Fog stream
 - B. Broken stream
 - C. Straight stream
 - D. Solid stream
23. Which of the following is not an advantage of ventilation:
- A. Reduces property damage
 - B. Speeds attack and extinguishment
 - C. Reduces danger of a backdraft
 - D. None of the above
24. If communications experiences heavy radio and/or telephone traffic, they must go to condition:
- A. "A"
 - B. "B"
 - C. "C"
 - D. "D"
25. The term "SALVAGE" means:
- A. Protecting property from unnecessary damage caused by water, smoke and Heat.
 - B. Extinguishment of the fire



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C. Throwing away all burned material

D. None of the above



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