**Governor’s Fire Prevention Day 2018**

**Post Name:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ FFI Written Exam**

\_\_\_\_\_\_ 1. The chain of command:

 A. includes training, safety, finance, and logistics.

 B. includes incident stabilization, life safety, and property conservation.

 C. allows for supervision of five people by one person

 D. is the pathway of responsibility from the highest level of the department to the lowest.

\_\_\_\_\_\_ 2. The primary use of the \_\_\_\_\_\_\_\_\_\_\_ is to attach a rope to a cylindrical object.

 A. clove hitch

 B. bowline

 C. becket/sheet bend

 D. rescue knot

\_\_\_\_\_\_ 3. The bypass valve on a self-contained breathing apparatus is used:

 A. during hazardous materials incidents.

 B. in emergency situations involving a malfunctioning regulator

 C. to clear the mask of unwanted condensation.

 D. to cool the face piece when high heat is encountered.

\_\_\_\_\_\_ 4. Atmospheres are classified as oxygen deficient when they fall below \_\_\_\_\_\_ percent oxygen.

 A. 25

 B. 19.5

 C. 16

 D. 13.5

\_\_\_\_\_\_ 5. Toxic substances found in smoke include:

 A. carbon monoxide

 B. carbon dioxide

 C. tar

 D. All of the above

\_\_\_\_\_\_ 6. Which of the following is not one of the components of the layered protection system in structural PPE?

 A. Vapor/moisture barrier

 B. Waterproof outer layer

 C. Thermal barrier

 D. Outer shell

\_\_\_\_\_\_ 7. How long does it take for the PASS device to alarm if the wearer becomes inactive?

 A. 20 seconds

 B. 30 seconds

 C. 45 seconds

 D. 60 seconds

\_\_\_\_\_\_ 8. Which of the following tools does not belong to the cutting group of tools?

 A. saws

 B. bolt cutters

 C. center punch

 D. torches

\_\_\_\_\_\_ 9. \_\_\_\_\_ glass is also known as safety glass:

 A. regular/plate glass

 B. laminated

 C. tempered

 D. wire

\_\_\_\_\_\_ 10. The lower section of an extension ladder is known as the:

 A. fly

 B. base or bed

 C. beam

 D. truss

\_\_\_\_\_\_ 11. When a roof ladder is being taken up an extension ladder the hooks are:

1. Retracted or bedded
2. Extended toward the fire fighter as handle
3. Extended outward from the fire fighters
4. On the lower end of the ladder.

\_\_\_\_\_\_ 12. During search operations, the fire fighter should occasionally pause and:

 A. rest to conserve air

 B. regroup with all those searching

 C. listen for calls or signals for help

 D. leave a trail to aid escape

\_\_\_\_\_\_ 13. When a hose is being rolled into twin rolls secured together by a portion of hose itself, it is called a \_\_\_\_\_\_ roll.

 A. donut

 B. hi-rise

 C. self-locking

 D. straight

\_\_\_\_\_\_ 14. Fine water droplets and maximum high water surface area are characteristics of a \_\_\_\_\_ stream.

 A. solid

 B. fog

 C. broken

 D. straight

\_\_\_\_\_\_ 15. The primary purpose of a spanner wrench is for use in:

 A. breaking glass

 B. shutting off gas valves

 C. operating hydrant valves

 D. tightening hose couplings

\_\_\_\_\_\_ 16. A water hammer is:

 A. a hydraulic tool used for breaking apart concrete.

 B. the pressure surge that occurs when water valves or nozzles are slowly opened and closed.

 C. the use of water to assist in overhaul by washing pieces of plaster and other building materials away from the structure.

 D. the pressure surge that occurs when water valves or nozzles are rapidly opened or closed.

\_\_\_\_\_\_ 17. A Dutchman is:

 A. used when loading hose and has a short fold or a reverse fold with a coupling at the point where a fold should occur.

 B. the process for uncoupling hose.

 C. a short length of hose that connects a deluge set to the engine company’s pump.

 D. the fold in a twin donut roll.

\_\_\_\_\_\_ 18. Forced/mechanical ventilation is accomplished by blowers, fans, or:

 A. removal of windows

 B. vertical openings

 C. fog streams

 D. natural wind currents

\_\_\_\_\_\_ 19. The phase of fire characterized by temperature decline and diminishing fire is called:

 A. ignition

 B. growth

 C. fully developed

 D. decay

\_\_\_\_\_\_ 20. The principles which most closely describes how water extinguishes fire is:

 A. removal of fuel

 B. reduction of temperature

 C. exclusion of oxygen

 D. inhibition of chain reaction

\_\_\_\_\_\_ 21. \_\_\_\_\_\_ is described as the point-to-point transmission of heat energy:

 A. conduction

 B. radiation

 C. convection

 D. flashover

\_\_\_\_\_\_ 22. Ignition is:

 A. a term used to denote a place where heat is drained away from a source.

 B. the ability of a material to sustain combustion.

 C. a catalyst breakdown of molecules.

 D. a chemical reaction that absorbs heat.

\_\_\_\_\_\_ 23. The weight of the building materials and any part of the building permanently attached or built in is the definition of a(n) \_\_\_\_\_\_\_\_ load

 A. impact

 B. fire

 C. design

 D. dead

\_\_\_\_\_\_ 24. Hidden fires in concealed spaces can often be detected by:

 A. feeling with back of hand

 B. strategic fan placement

 C. tearing down the entire wall

 D. use of salvage techniques

\_\_\_\_\_\_ 25. A green triangle containing a letter would indicate an extinguisher to be used on \_\_\_\_\_\_\_ fires.

 A. Class A

 B. Class B

 C. Class C

 D. Class D

\_\_\_\_\_\_ 26. Extinguishers suitable for Class B fires can be identified by a \_\_\_\_\_\_\_ containing the letter B.

 A. blue circle

 B. green triangle

 C. red square

 D. yellow star

\_\_\_\_\_\_ 27. Firefighters should treat all downed wires as:

 A. energized

 B. safe if in contact with the ground

 C. only dangerous if nearby homes have power

 D. safe if not arcing

\_\_\_\_\_\_ 28. Composite SCBA cylinders must be hydrostatically tested every:

 A. year

 B. three years

 C. five years

 D. ten years

\_\_\_\_\_\_ 29. When fire fighters enter a burning building to perform rescue work, they must first consider

 A. water supply

 B. their own safety

 C. communications

 D. safety of victims

\_\_\_\_\_\_ 30. When an extension ladder can be raised more than \_\_\_\_\_\_ feet, it must be equipped with staypoles.

 A. 35

 B. 32

 C. 40

 D. 50