
Name/Employee #

Date

FBO/ASO Location

Score

This exercise contains completion, matching, multiple choice and true/false questions. These questions are derived from material presented in both the video tape and the corresponding section of the E.C.R.G. Read each question carefully and review your answers before returning the test to your instructor.

OVERVIEW

1. Which Federal Aviation Regulation requires fuel service providers to have at least one supervisor trained in aviation fuel handling and fire safety? _____

PROPERTIES OF FUEL

- 2. The Flashpoint of Avgas is _____ degrees Fahrenheit.
- 3. The Flashpoint of Jet A is _____ degrees Fahrenheit.
- 4. The flammability range for Avgas is: Upper limit _____ . Lower limit _____ .
- 5. The flammability range for Jet A is: Upper limit _____ . Lower limit _____ .

THE FIRE TRIANGLE

- 6. The autoignition temperature for Avgas is _____ degrees Fahrenheit.
- 7. The autoignition temperature for Jet A is _____ degrees Fahrenheit.
- 8. Name three (3) common potential sources of heat which might allow autoignition to occur _____ , or _____ .
- 9. BTU (British Thermal Unit) is the quantity of heat required to raise the temperature of _____ pound of water by _____ degrees Fahrenheit.
- 10. What fuel has the higher rate of flame spread ? Circle one Avgas Jet A
- 11. Describe each of the three (3) ways in which a Fire may be extinguished?
 - a. _____
 - b. _____
 - c. _____
- 12. _____ (True or False) Vaporization is a changing of the oxygen molecules into carbon (or smoke producing molecules).

FIRE CLASSIFICATION AND EXTINGUISHING MATERIALS

13. Match each Fire Classification with it's corresponding material:
- _____ a. Class "B" 1. energized electrical equipment
 - _____ b. Class "D" 2. ordinary combustibles
 - _____ c. Class "A" 3. flammable liquids
 - _____ d. Class "C" 4. combustible metals



14. _____ is a gas which breaks the chemical chain reaction.
15. _____ is a specially treated sodium bicarbonate mixture.
16. _____ acts to “cool” or “quench” a fire.
17. Which extinguishing material is being phased out due to environmental concerns? _____.
18. _____ Should not be used on energized electrical fires.

FIRE FIGHTING PROCEDURES

19. Describe at least two (2) things that you should evaluate when confronted with a fire.
 - a. _____.
 - b. _____.
20. ____ (True or False) When attempting to extinguish a fire with a portable extinguisher, the nozzle should be aimed at the middle of the flame area.
21. ____ (True or False) As the fire is extinguished you should stand in the same place to avoid being consumed by the fire.
22. ____ (True or False) Once the fire is out, you must never turn your back on the fire area.
23. Define the following acronym for operating a portable fire extinguisher:

P =

A =

S =

S =

PLACARDS AND IDENTIFICATION

24. What is the product identification number for Avgas ? _____.
25. What is the product identification number for Jet A ? _____.
26. 100LL Avgas piping and headers must be identified by _____ letters on a _____ background, next to a single _____ band.
27. Jet A is identified with _____ letters on a _____ background next to a single _____ band.
28. An emergency fuel shutoff must be capable of _____ all other fuel controls, and must be able to _____ the flow of fuel with one _____.
29. The flow control valve, in a hose nozzle used for over-wing servicing is called a _____ control.
30. ____ (True or False) Overriding the deadman is approved as long as the operator is observing it nearby.
31. ____ (True or False) Mobile refuelers must be equipped with air filter/flame arrestor equipment and a leak free exhaust system which terminates into a baffled muffler at the front of the vehicle.
32. ____ (True or False) It is acceptable for refueling personnel to carry a cigarette lighter in a pocket as long as it is not used while fueling.
33. _____ is a material which is considered safe and can be worn during refueling.
34. ____ (True or False) Plastic funnels and buckets should not be used, since they generate static electricity and create a fire hazard.

35. _____ (True or False) Special application plastic buckets with electrostatic bonding devices are acceptable for handling sump fuel.
36. _____ (True or False) When using a funnel, it must always remain in contact with the filler opening during fueling operations.
37. _____ (True or False) If a fuel spill occurs do not turn off any equipment that is running, and do not turn on any equipment that is shut-off.
38. Static discharge will occur in the form of a _____.
39. List the three (3) actions you should take immediately if you have a fuel spill:
- a. _____
- b. _____
- c. _____
40. _____ (True or False) It may take three minutes or more for aircraft static electricity to dissipate through the bonding cable.

Instructor/Student Test Acknowledgment

I have carefully reviewed each question and answer with the student regarding the material presented in this module. All items were discussed and answered to the satisfaction of the student and instructor.

_____	_____
Instructor	Date
_____	_____
Student	Date

