



WRITTEN QUIZ

Procedures Handbook 4300

NAME: _____

DATE: _____

POINTS

For the next 8 questions, match the device to the most correct description. Place the corresponding letter for the device in the blank space beside its description

- a. Fusee
- b. Drip torch
- c. Very Pistol
- d. Fire Quick Flare Launcher
- e. Hand thrown flares
- f. Helitorch
- g. Premo Mrk III Plastic Sphere Dispenser

1. _____ Consists of: Igniter assembly, nozzle/igniter mount, Spout with fuel trap, breather valve assembly, tank cover chain assembly, and lock ring 10

2. _____ Fuse burn time 30 to 40 seconds, flare burn time approximately 6 to 8 seconds at 4,000 degrees F, Ignited material will cover 30 to 60 foot diameter, classified as a flammable solid 10

3. _____. Uses 22 caliber blanks, requires operator training, launches 1" diameter flares, aerial burst will cover an area 10 to 20 feet 10

4. _____ Normally used with rotary wing aircraft, mounted internally, dispersal rate of ball can be regulated by machine dispersal rate and helicopter speed and altitude 10

5. _____ May be trailer or skid mounted, fuel is a mixture of aluma-gel/surefire and gasoline, dispenses fuel under pressure through a hand held nozzle, classified as a flammable liquid 10

6. _____ Lightweight, portable, produces 2" – 4" flame, suitable for small projects, readily available, easily stored, available in 5 to 30 minute burn times 10



WRITTEN QUIZ
Procedures Handbook 4300

FIRING EQUIPMENT

7. _____ Specialized flare launcher requiring operator safety training, burn time approximately 8 seconds at 1,400 degrees F, 12 gauge and 25 MM, classified as an explosive 1.4 and a flammable solid, range up to 375 feet 10
8. _____ Used as an external sling load under rotary wing aircraft, uses aluma-gel/surefire and gasoline mix as fuel, can reach areas not accessible by ground, classified as a flammable liquid 10
9. What is the correct mixture for a drip torch? 10
- a. 1 part gasoline to 2 parts diesel, $\frac{3}{4}$ full
 - b. 1 part diesel to 2 parts gasoline, $\frac{3}{4}$ full
 - c. 1 cup luma-gel to 1 gallon gasoline, $\frac{3}{4}$ full
 - d. 1 part gasoline to 2 parts diesel, $\frac{1}{2}$ full
10. Which of the following is not a possible safety problem for a drip torch? 10
- a. Defective vent
 - b. Dry wick
 - c. Improper mix
 - d. Poor gasket seal

POINTS POSSIBLE: 100

POINTS DEDUCTED: _____

FINAL SCORE: _____



WRITTEN QUIZ

Procedures Handbook 4300

Ref: 4320.18.tlp pg. 8

4. _____ **H** _____ Normally used with _____ 10
rotary wing aircraft, mounted internally, dispersal rate of ball can be regulated by machine dispersal rate and helicopter speed and altitude

Ref: 4320.18.tlp pg. 12

5. _____ **C** _____ May be trailer or _____ 10
skid mounted, fuel is a mixture of aluma-gel/surefire and gasoline, dispenses fuel under pressure through a hand held nozzle, classified as a flammable liquid

Ref: 4320.18.tlp pg. 5

6. _____ **A** _____ Lightweight, _____ 10
portable, produces 2" – 4" flame, suitable for small projects, readily available, easily stored, available in 5 to 30 minute burn times

Ref: 4320.18.tlp pg. 5

7. _____ **D** _____ Specialized flare _____ 10
launcher requiring operator to be qualified before use, burn time approximately 8 seconds at 1,400 degrees F, 12 gauge and 25 MM, classified as an explosive 1.4 and a flammable solid, range up to 375 feet

Ref: 4320.18.tlp pg. 6

8. _____ **G** _____ Used as an _____ 10
external sling load under rotary wing aircraft, uses aluma-gel/surefire and gasoline mix as fuel, can reach areas not accessible by ground, classified as a flammable liquid

Ref: 4320.18.tlp pg. 11

9. _____ What is the correct mixture for a _____ 10
drip torch?
a. _____ **1 PART GASOLINE TO 2**
PARTS DIESEL, 3/4 FULL

