Name\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Date\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**Power Supply, Lighting Equipment, and Emergency Scene Safety Quiz**

1. \_\_\_\_\_Which of the following converts fire apparatus 12- or 24-volt DC current into 110-or 220-volt AC current?
   1. Converter
   2. Inverter
   3. Generator
   4. All of the above
2. \_\_\_\_\_ Which of the following is fuel efficient, makes little or no noise, and is generally used to power small electric tools?
   1. Converter
   2. Inverter
   3. Generator
   4. All of the above
3. \_\_\_\_\_ Which of the following is usually gasoline- or diesel-powered, and can usually be carried by two firefighters?
   1. Converters
   2. Inverters
   3. Generators
   4. All of the above
4. \_\_\_\_\_ Vehicle-mounted generator units usually provide a larger generating capacity than portable units.
   1. True
   2. False
5. \_\_\_\_\_ Portable lights commonly range from \_\_\_ to \_\_\_\_ watts of power.
   1. 200 – 500
   2. 300 – 1000
   3. 500 – 1500
   4. 300 – 1500
6. \_\_\_\_\_ Fixed lights are often mounted on a hydraulic boom with a bank of lights that can generate between \_\_\_ to \_\_\_\_ watts of power per light.
7. 200 – 500
8. 300 – 1000
9. 500 – 1500
10. 300 – 1500
11. \_\_\_\_\_ Auxiliary electrical equipment such as cables and extension cords should be
12. Waterproof
13. Intrinsically safe
14. Adequately insulated
15. All of the above
16. \_\_\_\_\_ Junction boxes should be equipped with a ground fault circuit interrupter that conforms to NFPA Standard:
17. 101
18. 1500
19. 1403
20. 70
21. \_\_\_\_\_ Fuel in gas-powered generators should be no older than \_\_\_\_ old.
    1. 3 weeks
    2. 1 month
    3. 3 months
    4. 6 months
22. \_\_\_\_\_ When testing auxiliary electrical equipment such as power cords, test them one at a time to help prevent circuit overload.
23. True
24. False