Welding, Cutting and Bending Sample Questions

1. Which of the following statements about arc length when welding is correct?
    a) An arc that is the correct length sounds like bacon frying
    b) An arc that is too long sounds like bacon frying
    c) An arc that is too short sounds like bacon frying
    d) An arc that is too short makes a booing sound

2. You must know the kind of metal to be welded before you can select an electrode. Which of the following is an example of a ferrous metal?
    a) Copper
    b) Aluminum
    c) Steel
    d) Porcelain

3. Valve protections caps are designed to protect valves from:
    a) Damage
    b) Water
    c) Spiders
    d) Dirt

4. To keep cylinders from being knocked over while in use, secure them with a:
    a) Chain
    b) Baling Wire
    c) Clamp
    d) Wood

5. Never allow cylinders to come in contact with live wires or:
    a) Water
    b) Snow
    c) Flames
    d) Wind

6. One direct flash from the arc on the naked eye can cause:
    a) Eye damage
    b) Burning feeling in eyes
    c) Red spots in vision
    d) All the above

7. When lighting an oxy-fuel torch, which is the best sequence?
    a) Purge, turn on oxygen, turn on fuel, ignite
    b) Ignite, Purge, turn on fuel, turn on oxygen
    c) Purge, turn on fuel, ignite, turn on oxygen
    d) Turn on fuel, ignite, turn on oxygen

8. When setting up oxy-fuel equipment, the green hose attaches to what?
    a) Oxygen fitting
    b) Fuel gas fitting

9. True or False: All of these are characteristics of acetylene.
    a) Shock sensitive
    b) Unstable
    c) Flammable

10. What is the recommended lens shade for most oxy-fuel cutting applications?
    a) 3
    b) 7
    c) 5
    d) 9

11. What type of thread and color is oxygen associate with?
    a) Right hand threaded – Red
    b) Right hand threaded – Green
    c) Left hand threaded – Red
    d) Left hand threaded – Green

12. As of July 5, 1994, all safety glasses must meet the minimum stands set froth by the American National Standards Institute. Which of the following specifications meet the ANSI requirement?
    a) Z-rock
    b) Z-safe
    c) Z-78
    d) Z-87

13. Which of the following is the leading cause of eye injury in the workplace?
    a) Chemicals
    b) Misuse of tools
    c) Flying debris
    d) Poor tool maintenance

Answers provided below

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