

# **WELDING INSPECTION TECHNOLOGY WORKBOOK**

## **MODULE 2**

### **SAFE PRACTICES FOR WELDING INSPECTORS**

**Welding Inspection Technology Workbook**  
**Module 2—Safe Practices for Welding Inspectors**

**Q2-1** The welding inspector is exposed to which of the following safety hazards:

- a. radiation
- b. falling objects
- c. electrical shock
- d. eye hazards
- e. all of the above

**Q2-2** A document which covers safety in welding and cutting is:

- a. AWS D1.1
- b. API 1104
- c. ANSI/ASC Z49.1
- d. ASME Section VIII
- e. ASME B31.3

**Q2-3** The most important component of an effective safety and health program is:

- a. safety rules
- b. safety procedures
- c. protective equipment
- d. welding helmet
- e. management support

**Q2-4** Safety training is mandated under provisions of:

- a. AWS "Safe Practices"
- b. OSHA
- c. ASME Code
- d. Welding Handbook, Volume 2
- e. none of the above

**Q2-5** The abbreviation 'MSDS' means:

- a. Management Support and Daily Safety
- b. Material Strength and Discontinuity Sheet
- c. Material Safety Data Sheet
- d. Material Strength and Data Sheet
- e. none of the above

**Q2-6** The abbreviation 'TLV' means:

- a. Total Linear volume
- b. Threshold Limit Value
- c. Tack Length Value
- d. Threshold Limiting Valve
- e. none of the above

**Q2-7** Employers must make all applicable MSDS data available to their employees.

- a. true
- b. false

**Q2-8** Personnel must be trained to recognize safety hazards.

- true
- false

**Q2-9** A 'Hot Work Permit' is required for:

- all welding operations
- all cutting operations
- all preheating operations
- areas where a fire hazard may occur during a welding, cutting, or preheating operation
- all of the above

**Q2-10** Eye hazards found in welding operations include:

- flying particles
- radiation
- smoke and fumes
- all of the above

**Q2-11** Protective equipment not suitable for eye protection from welding radiation includes:

- welding helmets with filter plates
- clear safety goggles
- safety goggles with filter plates
- protective screens
- properly positioned barricades

**Q2-12** Suitable clothing materials for welding and cutting are:

- 65% cotton, 35% polyester
- wool
- chemically treated cotton
- b and c above
- none of the above

**Q2-13** Before working on equipment where machinery guards have been removed, a 'Lock, Tag, and Try' procedure should be completed.

- true
- false

**Q2-14** In avoiding fumes during welding, the most important factor is:

- the type of base metal
- the type of filler metal
- the type of welding process
- the position of the welding machine
- the position of the welder's head

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**Q2-15** It is not important to consider ventilation during welding and cutting operations.

- a. true
- b. false

**Q2-16** When entering confined spaces, a 'standby' is not required.

- a. true
- b. false

**Q2-17** Some of the toxic materials the welder may be exposed to are:

- a. cadmium
- b. chromium
- c. nickel
- d. lead
- e. all of the above

**Q2-18** Proper usage and handling of compressed gas cylinders include:

- a. not welding on cylinders
- b. not including the cylinders in the ground or electrical circuit
- c. securing them properly
- d. identifying the gas prior to use
- e. all of the above

**Q2-19** Acetylene becomes unstable above what pressure?

- a. 5 psi
- b. 10 psi
- c. 15 psi
- d. none of the above

**Q2-20** Oxygen is a flammable gas.

- a. true
- b. false

**Q2-21** Electric currents above approximately 6 milliamperes are considered:

- a. not harmful
- b. primary currents
- c. harmful
- d. secondary currents
- e. b and c above

**Q2-22** When operating gas cylinders, the primary valve should be opened:

- a. all the way on an acetylene cylinder
- b. one turn on an oxygen cylinder
- c. one turn or less on an acetylene cylinder
- d. all the way on an oxygen cylinder to backseat the valve
- e. c and d above

## ANSWER KEY—MODULE 2

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<b>Q2-22</b>	e	(pg. 2-14, 17)