



(These items were developed by teachers for the Technical Skills Assessment. Below is a sample item for each program standard.)

**Question 1 of 9**

What data is included on a safety data sheet?

- A) Expiration date of the substance.
- B) Manufacturer's recommended product substitutions.
- C) Net weight criteria for packaging the container.
- D) Possible hazards of the substance.

**Question 2 of 9**

What does  $\frac{1}{4}$  inch plus  $\frac{3}{8}$  inch equal?

- A)  $\frac{1}{2}$  inch
- B)  $\frac{4}{8}$  inch
- C)  $\frac{4}{12}$  inch
- D)  $\frac{5}{8}$  inch

**Question 3 of 9**

Which is NOT a function of a pad weld?

- A) Abrasion resistance
- B) Groove preparation
- C) Surface build up
- D) Surface repair

#### Question 4 of 9

What welding current is MOST COMMONLY used for the GMAW process?

- A) AC
- B) DCEN
- C) DCEP
- D) Rising Arc Voltage

#### Question 5 of 9

Which characteristic describes FCAW wire?

- A) Outer flux
- B) Solid core
- C) Thin area
- D) Tubular

#### Question 6 of 9

Ceramic nozzles are the MOST COMMONLY used consumable for GTAW. What other material can replace the ceramic nozzle?

- A) Copper nozzle
- B) Polycarbonate nozzle
- C) Pyrex nozzle
- D) Spray nozzle

#### Question 7 of 9

When using the plasma arc cutting (PAC-A) process, what should the condition of the air be?

- A) Dry
- B) Lubricated
- C) Wet
- D) Inert

### Question 8 of 9

What weld defect is characterized by bubbles and holes throughout the weld metal?

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- A) Cracking
- B) Incomplete fusion
- C) Porosity
- D) Slag inclusions

### Question 9 of 9

What CANNOT be removed with wire brushing?

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- A) Dirt
- B) Grease
- C) Paint
- D) Surface rust

Welding Technologies Sample Test Answer Key

<b>Question</b>	<b>Answer</b>
1.	D
2.	D
3.	B
4.	C
5.	D
6.	C
7.	A
8.	C
9.	B