

Red Seal Welder 456A Practice Test Questions and Answers

1. What causes porosity in a SMAW weld?

- A) Using too high an amperage
- B) Gas entrapment from moisture in electrodes, contaminated base metal, too long an arc length, or wind blowing away shielding gas
- C) Using too small an electrode
- D) Welding too slowly

2. What is the 'autogenous' GTAW technique?

- A) Welding without filler metal addition, relying solely on fusion of the base metal edges
- B) Welding with automatic wire feed instead of manual filler addition
- C) A self-regulating current control mode
- D) Welding using a pre-placed filler insert at the root

3. What does arc blow refer to in SMAW welding?

- A) Deflection of the arc from its intended path due to magnetic fields
- B) Excessive spatter caused by high amperage
- C) Loss of arc due to contaminated base metal
- D) Overheating of the electrode

4. What causes excessive spatter in GMAW welding?

- A) Using too much shielding gas
- B) Voltage set too high or too low for the wire feed speed, contaminated base metal, wrong shielding gas, excessive stick-out, or moisture on the wire
- C) The room temperature is too high
- D) Using the correct parameters

Answers: 1-B 2-A 3-A 4-B

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