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