

API API-577

Welding Inspection and Metallurgy Exam

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Latest Version: 6.0

Question: 1

Which of the following is the test that can measure most aspects of weldability?

- A. Impact testing
- B. There is no single test
- C. Weld tension tests
- D. Bend testing

Answer: B

Question: 2

Base metals are assigned P-numbers by the ASME Code, Section IX to reduce the number of:

- A. Required welding procedure specifications.
- B. Required welding procedure qualifications.
- C. Required procedure and performance qualifications.
- D. Required mechanical tests.

Answer: C

Question: 3

The WPS gives the welder specific guidelines to:

- A. Set the machine amperage, voltage, and travel speed.
- B. Confirm the project heat input is followed during welding.
- C. Successfully complete production welds.
- D. Make imperfection/defect-free welds.

Answer: A

Question: 4

When performing a carbon steel to carbon steel hot tap where the CE of one of the metals is greater than 0.42%, which of the following electrodes should be used?

- A. E7048-H4
- B. E7048
- C. E7018-A1
- D. E7018

Answer: D

Question: 5

Which of the following is a commonly accepted advantage of flux core arc welding (FCAW)?

- A. Equipment is simple, inexpensive, and portable.
- B. The slag supports and shapes the weld bead.
- C. There is a reduced requirement for ventilation.
- D. There is minimal postweld cleanup.

Answer: B

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