

CSWIP

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Welding Inspector 3.1

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Question: 1

Applying preheat when welding carbon manganese steel is normally done to avoid:

- A. Slag inclusions
- B. Hydrogen cracking
- C. Lack of sidewall fusion
- D. Porosity

Answer: B

Question: 2

Which of following mechanical properties of a weld in carbon manganese steel is most affected if the heat input per unit length of weld is excessively high?

- A. Elongation
- B. Tensile strength
- C. Hardness
- D. Toughness

Answer: D

Question: 3

You observe centerline cracking a weld that as been made one of five work stations each making similar components. The first action to take is:

- A. Impound all welding consumables
- B. Report the occurrence to high authority
- C. Stop all welding
- D. Call for full NDT checks

Answer: B

Question: 4

Which of the following defects is unlikely to be found by visual inspection.

- A. Linear misalignment
- B. Undercut
- C. Overlap
- D. Linear slag inclusion

Answer: D

Question: 5

Which of the following welding processes uses a resistive heating system to achieve weld metal deposition.

- A. Manual metal arc welding
- B. Submerged-arc welding
- C. Electro slag welding
- D. Resistance spot welding

Answer: D

Question: 6

Which of the following units could Charpy V notch energy be measured in?

- A. Pounds per square inch
- B. Joules
- C. Newtons per square millimeter
- D. None of the above

Answer: B

Question: 7

The usual method of assessing the sensitivity of radiograph is by means of a:

- A. Dosimeter
- B. Fluoroscope
- C. IQI (Penetrameter)
- D. Clinometer

Answer: C

Question: 8

Under normal contract conditions, weld procedure approval tests for pipe work are:

- A. Mandatory
- B. Depend upon site and weather conditions
- C. Dependent upon the contractor's confidence in his procedures
- D. Only required when CO2 welding is to be used.

Answer: A

Question: 9

Which of the following destructive tests is not normally required for welder approval test for mild steel?

- A. Bend test
- B. Macro examination
- C. Impact tests
- D. Fracture tests

Answer: C

Question: 10

Hydrogen controlled electrodes were developed principally for:

- A. The prevention of porosity
- B. The prevention of cracking
- C. The enhancement of arc voltage
- D. Their ease of arc starting

Answer: B

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