



API

API-577
Welding Inspection And Metallurgy

Questions & Answers PDF

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Question: 1

The level of learning and training offered by RP 577 is _____.

- A. consistent with an AWS CWI
- B. the same as required for an AWS CWI
- C. not a replacement for AWS CWI training
- D. automatically makes one a welding inspector

Answer: C

Question: 2

DCEN means.

- A. direct current, electrode none
- B. direct current, electrode negative
- C. don't come easy, Norman
- D. direct current, electrode normal

Answer: B

Question: 3

Another name or abbreviation for a penetrameter is:

- A. O.C.T.
- B. D.E.Q.
- C. I.Q.I.
- D. D.T.Q.

Answer: C

Question: 4

A theoretical throat dimension is based on the assumption that the root opening is equal to:

- A. zero
- B. 1/16
- C. 1/8
- D. 1/32 – 1/16

Answer: A

Question: 5

Welding inspection is a critical part of any _____ program.

- A. Quality Assurance
- B. Quality Process
- C. ISO 9000
- D. ISO 11000

Answer: A

Question: 6

Welding inspection can be separated into 3 distinct stages:

- A. welding, NDE, hardness testing
- B. pre-welding, NDE, heat treatment
- C. visual, NDE, RT
- D. before welding, during welding, after welding

Answer: D

Question: 7

One of the items that should be checked prior to welding is:

- A. confirm NDE examiners qualifications
- B. confirm acceptability of heat treatment procedures
- C. review WPS, PQR, and WPQ's
- D. All of the above should be checked prior to welding

Answer: D

Question: 8

When discovered, welding defects should be:

- A. removed and re-inspected
- B. radiographed to determine extent
- C. shearwave tested
- D. evaluated to API 580 acceptance criteria

Answer: A

Question: 9

NDE examiners should be qualified to _____ when specified by the referencing code.

- A. ASME XII
- B. API 570
- C. SNT-TC-1A
- D. API 510

Answer: C

Question: 10

As a minimum, each Inspector should review the _____ prior to starting each job.

- A. OSHA regulations
- B. EPA regulations
- C. site safety rules
- D. HAZWOPER Guidelines

Answer: C

Question: 11

An advantage of SMAW is:

- A. equipment is very expensive
- B. slag must be removed from weld passes
- C. can be used on almost all commonly-used metal or alloy

D. deposition rates are much higher than for other processes

Answer: C

Question: 12

GTAW and SMAW can be distinguished from other processes as they are both used with _____.

- A. cc power supplies
- B. cv power supplies
- C. external gas shielding
- D. flux cored electrodes

Answer: A



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