



1. Which of the following is NOT correct about AWS D1.1:2015 *Structural Welding Code – Steel*?
 - a. AWS D1.1 contains provisions for stud welding.
 - b. AWS D1.1 applies to the welding of stainless steel.
 - c. AWS D1.1 applies to structures subject to seismic loading.
 - d. AWS D1.1 instructs on how to qualify welding procedure specifications.

2. Which of the following codes should be consulted if one is designing a special moment frame in a high-seismic area?
 - a. AWS D1.8
 - b. AISC 341
 - c. AISC 358
 - d. All of the above
 - e. b and c

3. True or False: The distance r_0 represents a distance between atoms such that they are not repelled from nor attracted to one another.
 - a. True
 - b. False

4. Which of the following elements is the most problematic weld contaminant from the atmosphere?
 - a. Argon
 - b. Carbon
 - c. Nitrogen
 - d. Oxygen

5. Which of the following is true about shielded metal arc welding (SMAW), relative to flux cored arc welding (FCAW)?
 - a. SMAW has a higher deposition rate than FCAW
 - b. SMAW requires less skill than FCAW
 - c. SMAW has more portable equipment than FCAW
 - d. All of the above



Welded Connections – A Primer For Engineers

Quiz for Session 1: Introduction and Weld Processes– October 8, 2019

Due: November 5, 8:00 a.m. EDT – Submit through the online form

6. Which of the following modes of transfer for the gas metal arc welding (GMAW) is ideal for sheet steel?
 - a. Globular
 - b. Pulsed
 - c. Short-circuiting
 - d. Sprayed

7. Which of the following processes was highlighted as being commonly used for blind welds on box column stiffeners?
 - a. Submerged arc welding (SAW)
 - b. Gas tungsten arc welding (GTAW)
 - c. Electroslag welding (ESW)
 - d. None of the above

8. Which thermal cutting process is also called “burning”?
 - a. Oxyfuel cutting
 - b. Plasma cutting
 - c. Air arc gouging
 - d. “Burning” is not an appropriate term for any thermal cutting process

9. Which of the following weld types can be used in tee joints?
 - a. Complete-joint-penetration groove welds
 - b. Partial-joint-penetration groove welds
 - c. Fillet welds
 - d. All of the above

10. Flare vee and flare bevel groove welds are examples of which of the following weld types?
 - a. Complete-joint-penetration groove welds
 - b. Partial-joint-penetration groove welds
 - c. Both a and b
 - d. Neither a nor b



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