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 $r_o$ 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
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