1. AISC 303-16 refers to...
   b. The AISC Code of Standard Practice for Steel Buildings and Bridges
   c. The AISC Seismic Provisions for Structural Steel Buildings
   d. AISC Detailing for Steel Construction, Third Edition

2. What Seismic Response Modification Coefficient, $R$, will result in the most economical designs for connections in the Seismic Force-Resisting System?
   a. $R=3$
   b. $R=3.25$
   c. $R=6$
   d. $R=8$

3. Which of the following options for connection design requires the owner’s designated representative for design (ODRD) to document the complete connection design on the structural design drawings?
   a. Option 1
   b. Option 2
   c. Option 3A
   d. Option 3B

4. When the Code of Standard Practice, Section 3.1.1 connection Option 1 is used by the ODRD, which of the following is not required to be shown on the structural design drawings?
   a. Details of all member reinforcing at the connections
   b. Details of all bolted and welded connections
   c. Details of all field welds on connections
   d. Indication of whether LRFD or ASD is to be used for design of the connections

5. When the Code of Standard Practice, Section 3.1.1 connection Option 3 is used by the ODRD, which of the following is the fabricator required to provide to the ODRD?
   a. Representative samples of required substantiating connection information
   b. Confirmation in writing from the engineer in responsible charge of connection design that the approval documents properly incorporate the connection designs
   c. A means by which the substantiating connection information is referenced to the related connections on the approval documents
   d. All of the above
6. The term “conceptual configuration of reinforcement” as referred to in the *Code of Standard Practice*, Section 3.1.2 Option 3B refers to...
   a. Details showing member reinforcement at the connections appropriate for the order of magnitude of forces to be transferred at the connections
   b. Reinforcing details around web openings in beams
   c. Weld details between the web and flanges of plate girders
   d. Fully designed connection details

7. True or False: AISC 303-16 indicates that investigation, and determination of where member reinforcement at the connections is required, is always the responsibility of the fabricator’s engineer in responsible charge of connection design.
   a. True
   b. False

8. AISC 303-16, Section 3.1.2 requires that ODRD design all member reinforcement at the connections for which of the Section 3.1.1 connection design options?
   a. Option 1
   b. Option 2
   c. Option 3A
   d. All of the above

9. What is the preferred way of specifying the required beam shear connection design strength on the structural design documents?
   a. Requiring all connections to be designed to support the full strength of the member
   b. Providing a table listing the required shear connection strength for each nominal beam depth
   c. Showing the beam end reactions on the framing plans and indicating whether those reactions are service-load level or factored-load level
   d. Providing shear connections to be designed for a percentage of the Table 3-6 Uniform Load Capacity of the beams

10. Tension members having $F_y = 50$ ksi and higher, with bolted connections having an effective area at the connections of at least 0.75 x gross area, should be sized to limit the tension yield strength ratio to:
    a. 0.50
    b. 0.75
    c. 0.90
    d. 1.00