1. The document describing the design criteria and loads used for a given industrial building project is referred to as?
   a. Standard of Practice document
   b. Basis of Design document
   c. Cut sheet
   d. Process Load and Layout document

2. Drawings prepared by the Process Engineer that show equipment layout, equipment geometry and spacing and process flow are referred to as?
   a. Basis of Design Drawings
   b. General Arrangement Drawings
   c. Process Design Drawings
   d. Process Flow Drawings

3. Which of the items listed below is not a key project design parameter for an industrial design project?
   a. Site and soil information
   b. Wall and roof material preferences
   c. Intended hours of operation
   d. Utility routing and support requirements
   e. Equipment maintenance access
   f. Future expansion plans

4. What aspect ratio is best to minimize the cost of the exterior wall system for a one-story industrial building?
   a. 1:1
   b. 1.5:1
   c. 2:1
   d. 4:3
   e. 16:9

5. According to studies performed by the speaker, what bay size is commonly more economical for an industrial building, considering cost of building superstructure and building foundations?
   a. 20 ft. bay
   b. 30 ft. bay
   c. 40 ft. bay
6. Which of the following is not an advantage of using a standing seam metal roof on an industrial building?
   a. Water tightness
   b. Long life
   c. Low cost
   d. Low weight
   e. Appearance

7. Per the International Building Code, the minimum roof slope to be used on a building is equal to?
   a. 1/8:12
   b. 1/4:12
   c. 1/2:12
   d. Engineering judgement as to what is the minimum slope

8. True or False: When evaluating a roof system for ponding, the International Building Code and ASCE 7 state that the primary roof drainage system must be considered to be blocked.
   a. True
   b. False

9. Which of the items listed below is not a purpose to provide a regular inspection program for an industrial building facility?
   a. Maintain safe structures and avoid risk to personnel & equipment
   b. Determine costs for forced shutdowns
   c. Avoid excessive repair costs
   d. Allows for planned maintenance activities
   e. Address operational or maintenance problems

10. The speaker explains bay length as a function of type of secondary framing. If the bay length is 40 feet, the secondary roof framing members are likely:
   a. Light gage Z purlin
   b. Light gage C purlin
   c. Hot rolled members
   d. Bar joists
   e. All of the above are options
   f. A and B only
   g. C and D only