Practice quiz: AWS CWI - Part C Code Application (AWS D1.1)

5 questions. The answer key is on page 2.

Name _____ Date _____

1. **A new inspector wants to read the code's own statement of what the Engineer, the Contractor and the Inspector are each responsible for. Which clause should they open first?**
   A. Clause 3, Terms and Definitions
   B. Clause 8, Inspection
   C. Clause 1, General Requirements
   D. Clause 2, Normative References

2. **The drawings show a T-connection between two round hollow structural sections. Which clause holds the requirements D1.1 writes specifically for tubular connections like this one?**
   A. Clause 10, Tubular Structures
   B. Clause 4, Design of Welded Connections, common requirements
   C. Clause 5, Prequalification of WPSs
   D. Clause 11, Strengthening and Repairing Existing Structures

3. **A fabricator wants to confirm that the electrode classification on a prequalified WPS matches the strength of the base metal. In which clause is the filler metal matching table found?**
   A. Clause 7, Fabrication
   B. Clause 4, Design of Welded Connections
   C. Clause 6, Qualification, Part B
   D. Clause 5, Prequalification of WPSs

4. **A fillet weld is examined by MT as required by the contract. Against which criteria does D1.1 judge the indications found?**
   A. The UT indication rating tables
   B. The RT radiographic acceptance figures
   C. The visual acceptance criteria table
   D. The yoke manufacturer's operating manual

5. **A contractor records its WPSs on its own in-house form instead of the sample form in the D1.1 annex. Does this meet the code?**
   A. No, only the annex form may be used on the job
   B. No, unless the Inspector redraws the form first
   C. Only for prequalified WPSs, not test-qualified ones
   D. Yes, if it includes all the needed information

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Answer key

AWS CWI - Part C Code Application (AWS D1.1). One line of why for each answer.

1. **C** Clause 1 (General Requirements) sets the scope and the responsibilities of the Engineer, Contractor and Inspector.
2. **A** Clause 10 holds the requirements written for tubular structures, including the design of T, Y and K connections between hollow sections and the tubular additions to prequalification, qualification and inspection.
3. **D** The base metal list and the filler metal matching table that a prequalified WPS must meet are in Clause 5.
4. **C** D1.1 judges welds examined by MT or PT against the visual inspection acceptance criteria.
5. **D** The annex forms are samples.

Full explanations

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