Assignment 10

Due on 2019-10-08, 23:59 IST.

1. Cracks in weld occur because
   - Metal is under compression.
   - Metal is brittle.
   - welds seams the ultimate tensile strength.
   - High density of the base metal or weld metal.
   - No, the answer is incorrect.

2. Explain the question?
   - Stress exceeds the ultimate tensile strength.
   - Stress exceeds the ultimate tensile strength.
   - No, the answer is incorrect.

3. Which of the following percentage of carbon in steels is most difficult to weld due to cracking?
   - 0.1% to 0.15%
   - 0.15% to 0.25%
   - 0.25% to 0.35%
   - 0.3% to 0.35%
   - No, the answer is incorrect.

4. Among the following, the metal-based problem mostly associated with Submerged Arc welding is
   - Hydrogen cracking in the HAZ
   - Hydrogen cracking in the weld metal.
   - Lack of fusion in the weld metal.
   - Liquefying in the weld metal.
   - Location cracking in the weld metal.
   - No, the answer is incorrect.

5. Which of the following factor does not promote the solidification cracking?
   - Lack of interstitial steel in stainless steel.
   - Accurate specification of the type of steel.
   - Accurate specification of the type of steel.
   - Accurate specification of the type of steel.
   - Accurate specification of the type of steel.
   - No, the answer is incorrect.

6. Which of the following statements are responsible for internal cracks in welds?
   - Increase in the arc length.
   - Increase in the arc length.
   - Increase in the arc length.
   - Increase in the arc length.
   - Increase in the arc length.
   - No, the answer is incorrect.

7. Liquefying in the weld metal is not dependent on
   - Amount and type of impurities in the base metal.
   - Welding procedure and defects of welds.
   - High carbon and initial carbon in steels.
   - Thickness of weld metal.
   - High carbon and initial carbon in steels.
   - No, the answer is incorrect.

8. Which of the following statements are responsible for oxide weld metal?
   - Slower cooling rates
   - Slower cooling rates
   - Slower cooling rates
   - Slower cooling rates
   - Slower cooling rates
   - No, the answer is incorrect.

9. Which of the following statements are responsible for hot cracking?
   - High carbon and initial carbon in steels.
   - High carbon and initial carbon in steels.
   - High carbon and initial carbon in steels.
   - High carbon and initial carbon in steels.
   - High carbon and initial carbon in steels.
   - No, the answer is incorrect.

10. Which of the following statements are true?
    - 1, 2, 3, 4 only
    - 1, 2, 3, 4 only
    - 1, 2, 3, 4 only
    - 1, 2, 3, 4 only
    - 1, 2, 3, 4 only
    - No, the answer is incorrect.