Assignment 11

The due date for submitting this assignment has passed. As per our records you have not submitted this assignment.

1. Which of the following is not correct with regard to effect of alloying elements on weldability?
   - Increase or decrease hardenability of the HAZ
   - Formation of slag during fusion welding
   - Increase segregation
   - Control of carbon in the transformation temperature
   
   No. the answer is incorrect.
   Accepted Answer: Increase segregation

2. Which of the following test determines the susceptibility of the welded joint to cracking?
   - Theoretical weldability test
   - Simulated test
   - Fabrication weldability test
   - Service weldability test
   
   No. the answer is incorrect.
   Accepted Answer: Fabrication weldability test

3. Which of the following test is not used to check the hot cracking tendency of weldments?
   - Hydrostatic test
   - Burst test
   - Tensile test
   - Ring weldability test
   
   No. the answer is incorrect.
   Accepted Answer: Ring weldability test

4. Selection of appropriate welding filler metal depends upon
   - The carbon content of the steel
   - The weldment designs
   - Service requirement
   - 1, 2, and 3
   
   No. the answer is incorrect.
   Accepted Answer: 1, 2, and 3

5. Stainless steel being exposed to elevated temperatures
   - Increases the thickness of the oxide film
   - Reduces the flux
   - Increases the thickness of the oxide film and reduces the flux
   - Over car to affect the thickness of the flux
   
   No. the answer is incorrect.
   Accepted Answer: Increases the thickness of the oxide film and reduces the flux

6. Type of cast iron that is generally considered to be unweldable is
   - White cast iron
   - Grey cast iron
   - Malleable cast iron
   - Hardened cast iron
   
   No. the answer is incorrect.
   Accepted Answer: White cast iron

7. Post-welding temperature and extent of preheating or cool rate depends upon
   - Type of cast iron being welded
   - Nature of the welding
   - The welding process employed
   - 1 and 4 only
   - 1 and 3 only
   - 1, 3, and 4 only
   - All of the above
   
   No. the answer is incorrect.
   Accepted Answer: All of the above

8. Argon + 2% Oxygen is used when welding
   - High carbon steels
   - Austenitic stainless steels
   - Austempered
   - Martensitic stainless steels
   
   No. the answer is incorrect.
   Accepted Answer: Austenitic stainless steels

9. Which of the following current types would be used for welding aluminum with the TIG welding process?
   - AC
   - Direct Current Straight Polarity
   - Direct Current Inverse Polarity
   - All of the above
   
   No. the answer is incorrect.
   Accepted Answer: AC

10. Penalty in copper allows weldments can be minimized by
    - Welding at high speed
    - Welding at low speed
    - High arc input
    - Cool head input
    
    No. the answer is incorrect.
    Accepted Answer: Welding at high speed