Assignment 9

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

1. Pull test of resistance spot weld is measured
   - Immediately after welding
   - After conducting cross-hat tensile test of welds
   - After measuring the corrosion resistance of the sample

   For the answer is incorrect, Score: 0
   Accepted Answers:
   - After conducting cross-hat tensile test of welds
   - After measuring the corrosion resistance of the sample

2. Which one of the following involves poor mechanical properties of the resistance spot welds
   - Weld diameter is zero
   - High pull test
   - Failure in the base metal after testing
   - Stud cracking at the edge

   For the answer is incorrect, Score: 0
   Accepted Answers:
   - Failure in the base metal after testing
   - Stud cracking at the edge

3. Resistance spot welding of aluminum alloys is difficult because
   - Narrow plastic zone between softening and melting
   - Presence of oxide film on the surface
   - Not cracking at all above
   - High pull test

   For the answer is incorrect, Score: 0
   Accepted Answers:
   - Narrow plastic zone between softening and melting
   - Presence of oxide film on the surface
   - Not cracking at all above

4. When no preheating is taken, while resistance spot welding diameter thickness of a material with high thermal conductivity
   - Weld diameter is always high in thin sheet
   - Weld diameter is always low in thick sheet
   - Weld nugget does not form
   - Uniform weld nugget is formed

   For the answer is incorrect, Score: 0
   Accepted Answers:
   - Weld diameter is always high in thin sheet
   - Weld diameter is always low in thick sheet
   - Uniform weld nugget is formed

5. Generally, when the base material strength increases, pull test
   - Increases
   - Decreases
   - Becomes one
   - Does not significantly change

   For the answer is incorrect, Score: 0
   Accepted Answers:
   - Increases

6. Alternating current is preferred in resistance spot welding to
   - Reduce the heat energy
   - Increase the temperature difference between two electrodes

   For the answer is incorrect, Score: 0
   Accepted Answers:
   - Reduce the heat energy

7. In flash butt welding, heating is primarily carried out by
   - Joule heating
   - Electric heating during upsetting
   - Induction heating of the hot billet

   For the answer is incorrect, Score: 0
   Accepted Answers:
   - Electric heating during upsetting

8. In resistance spot welding
   - Welding is carried out by the resistance of the fusion interface
   - Welding is carried out in solid state
   - A dedicated spot spot should be maintained before upsetting and welding
   - All of the above

   For the answer is incorrect, Score: 0
   Accepted Answers:
   - A dedicated spot spot should be maintained before upsetting and welding

9. The important element of resistance spot welding is
   - Dissimilar thicknesses of the sheets cannot be welded
   - Welding current is always stable
   - Welding cannot be done in stainless steel
   - Welding cannot be done in non-stainless steels

   For the answer is incorrect, Score: 0
   Accepted Answers:
   - Welding cannot be done in stainless steel

10. Most suitable metals for resistance bar welding are:
    - Titanium
    - Silver
    - Copper

    For the answer is incorrect, Score: 0
    Accepted Answers:
    - Copper