Assignment 6

The due date for submitting this assignment has passed.

As per our records you have not submitted this assignment.

1) Droplet detachment by globular transfer is primarily caused by
   - surface tension
   - gravitational force
   - low energy
   - shearing gas velocity
   No, the answer is incorrect.

2) Which one of the following always causes droplet detachment in gas metal arc welding?
   - gravity
   - surface tension
   - plasma jet force
   - plasma arc force
   No, the answer is incorrect.

3) Spray transition occurs as
   - current above which droplet diameter increases
   - current above which droplet diameter is converted to globular
   - when weld pool starts to spray spatter
   - current above which continuous overlapping small diameter droplets are transferred
   No, the answer is incorrect.

4) When the welding current is significantly higher than spray transition current
   - air-arcing occurs
   - metal transfer is primarily globular
   - metal transfer is disrupted
   - arc quenching occurs
   No, the answer is incorrect.

5) Primary mode of metal transfer in cladding and hard facing applications is
   - globular
   - droplet
   - spray
   - cored globular
   No, the answer is incorrect.

6) Bare metal droplet transfer is to achieve proper gas metal arc welding is
   - globular
   - explosive transition
   - short arc transfer
   - droplet transfer
   No, the answer is incorrect.

7) Which one of the following force always cause the droplet detachment in gas metal arc welding?
   - gravity
   - surface tension
   - low energy
   - plasma jet force
   No, the answer is incorrect.

8) Aerodynamic drag force is affected by
   - shielding gas composition
   - shielding gas velocity
   - shielding gas density
   - all of the above
   No, the answer is incorrect.

9) Primary shielding gas in self-shielded metal arc welding is
   - CO
   - He
   - Ar
   - N
   No, the answer is incorrect.

10) Baking of shielded metal arc welding electrodes is necessary to
    - promote droplet transfer
    - ensure low hydrogen content
    - promote gas diffusion
    - increase coating life
    No, the answer is incorrect.

Due on 2020-03-13, 23:59 IST.