Assignment 3

The due date for submitting this assignment has passed. Due on 2018-09-19, 23:59 IST.
As per our records you have not submitted this assignment.

1) Which mode of laser beam welding is preferred to achieve increased depth of penetration?

- conduction
- bead-on-plate
- key-hole
- overlap

No, the answer is incorrect.
Score: 0

Accepted Answers:
key-hole

2) The shape of the weld pool in laser beam seam welding is generally

- circular
- tear drop
- elliptical
- square

No, the answer is incorrect.
Score: 0

Accepted Answers:
tear drop

3) Recoil pressure in the key-hole of laser beam welding is due to

- coiling of work piece
- gravity
- vaporisation of melt
- reflection of photons

No, the answer is incorrect.
Score: 0

Accepted Answers:
vaporisation of melt

4) Which (one) of the following control(s) the stability of the key-hole during laser welding of galvanised steels in over-lap configuration?

- gravity
- surface tension
- vapour pressure
- plasma drag
No, the answer is incorrect.
Score: 0
Accepted Answers:

vapour pressure

5) Process efficiency of arc welding process is determined by
- welding power source
- heat transfer from arc
- weld metal composition
- joint design

No, the answer is incorrect.
Score: 0
Accepted Answers:

heat transfer from arc

6) Droplet detachment in consumable electrode welding is always opposed by
- gravity
- surface tension
- vapour jet forces
- plasma jet forces

No, the answer is incorrect.
Score: 0
Accepted Answers:

surface tension
vapour jet forces

7) When stick out length increases, melting rate of consumable in GMAW
- decreases
- do not change
- increases
- decreases exponentially

No, the answer is incorrect.
Score: 0
Accepted Answers:

increases

8) When the welding current is increases above spray transition current in GMAW,
- droplet transfer occurs mainly by gravitational force
- drop spray transfer occurs
- short-circuiting occurs
- severe spatter occurs

No, the answer is incorrect.
Score: 0
Accepted Answers:

drop spray transfer occurs

9) In cold metal transfer welding, primary metal transfer mode is
- short-circuiting
- globular
- drop transfer
- jetting spray

No, the answer is incorrect.
Score: 0
Accepted Answers:
short-circuiting

10) In pulsed GMAW,
   - drop transfer is promoted
   - heat input is increased
   - mean current is increased
   - jet-ting spray occurs

No, the answer is incorrect.
Score: 0
Accepted Answers:
drop transfer is promoted