Assignment 6

The due date for submitting this assignment has passed.
As per our records you have not submitted this assignment. Due on 2019-04-10, 23:59 IST.

1) Explosive welding can be used for
   - Joining dissimilar metal combinations in lap joint configuration
   - Cladding purpose
   - Joining dissimilar metal combinations in butt joint configuration
   - Both a and b

   No, the answer is incorrect.
   Score: 0
   Accepted Answers:
   Both a and b

2) Explosive welding involves
   - I. One component is accelerated at high velocity towards the other
   - II. Localized micro level plastic deformation of the faying surfaces
   - III. Melting of faying surfaces
   - IV. Joining of pipes

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

3) In magnetic pulse welding, a combination of process parameters used are

   I, II, IV
   I, III and IV
   I and II
   II, III and IV

   No, the answer is incorrect.
   Score: 0
   Accepted Answers:
   I, II, IV
4) Magnetic pulse welding can be used to fabricate

- Butt joints
- Thick section pipe edge joints
- Lap joints of thin sheets
- All of above

No, the answer is incorrect.
Score: 0
Accepted Answers:
Lap joints of thin sheets

5) During welding, time required to reach peak temperature will be

- Maximum for weld zone
- Minimum for weld zone
- Minimum for unaffected base metal
- Maximum for heat affected zone

No, the answer is incorrect.
Score: 0
Accepted Answers:
Minimum for weld zone

6) Application of preheat prior to welding leads to

- Slower cooling rate
- Higher cooling rate
- Same cooling rate
- All of above

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

7) With increase in deformation, strain energy stored in the deformed material will

- Decrease
- Increase
- Remain same
- Decrease then increase

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

8) With increase in annealing temperature and annealing time, grain size will

- Increase
- Decrease
- Remains constant
9) Steps involved in precipitation hardening in correct sequence are

- Aging, Solutionizing, Quenching
- Solutionizing, Quenching, Aging
- Aging, Quenching, Solutionizing
- Quenching, Solutionizing, Aging

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

10) In Al-Cu precipitation hardened alloys, the equilibrium phase is

- Theta' (θ')
- Theta'' (θ'')
- Theta (θ)
- GP phase

No, the answer is incorrect.
Score: 0
Accepted Answers:
Theta (θ)