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Unit 11 - Week 10

Course outline

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- Lecture 46: Principle of shield arc welding processes
- Lecture 47: Principle of gas shield arc welding processes
- Lecture 48: Principle of Resistance welding

Assignment 10

The due date for submitting this assignment has passed. **Due on 2018-04-04, 23:59 IST.**

Submitted assignment

1) The electrodes used in arc welding are coated. Which of the following **1 point** is not the function of such coating?

- Provide protective atmosphere to weld
- Stabilize the arc
- Provide alloying elements to improve strength and physical properties of the weld metal
- Prevent electrode from contamination

No, the answer is incorrect.

Score: 0

Accepted Answers:

Prevent electrode from contamination

2) Which of the following arc welding process does not use consumable **1 point** electrode?

- Gas metal arc welding
- Submerged arc welding
- Gas tungsten arc welding
- Flux coated arc welding

No, the answer is incorrect.

Score: 0

Accepted Answers:

Gas tungsten arc welding

3) In welding process, penetration is increased by

1 point

- Increasing current and decreasing speed
- Decreasing both current and speed

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Quiz :
Assignment 10

Solution of
assignment 10

Week 11

Week 12

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Increasing current and decreasing speed

4) The joint configuration best suited for adhesive bonding is **1 point**

- Butt
- Fillet
- Lap
- Spot

No, the answer is incorrect.

Score: 0

Accepted Answers:

Lap

5) In resistance welding, heat is generated due to the resistance between **1 point**

- Electrode and workpiece
- Asperities between touching plates
- Two dissimilar metals being in contact
- Interatomic forces

No, the answer is incorrect.

Score: 0

Accepted Answers:

Asperities between touching plates

6) Continuous type spot welding is known as **1 point**

- Projection welding
- Friction welding
- Submerged arc welding
- Seam welding

No, the answer is incorrect.

Score: 0

Accepted Answers:

Seam welding

7) Joining by making raised portions on one of the component where weld nugget is to be made is called as **1 point**

- Friction welding
- Projection welding
- Submerged arc welding
- Seam welding

No, the answer is incorrect.

Score: 0

Accepted Answers:

Projection welding

8) Which of the following statement is/are correct for Arc welding process? **1 point**

(i) In arc welding processes, an electric arc is maintained between an electrode and a workpiece (or between two electrodes) is utilized to heat the

joint to be welded.

(ii) In most of the arc welding processes, some use shielding gas while others use fluxes or coatings to protect the weld pool from ill effects of surrounding atmosphere.

- Only i
 Only ii
 Both i and ii
 None of these

No, the answer is incorrect.

Score: 0

Accepted Answers:

Both i and ii

9) Which of the following statement is/are correct for Friction welding? **1 point**

(i) It is a solid state welding process that produces a weld under compressive force contact of workpieces rotating or moving relative to one another to produce heat and plastically displace material from the faying surfaces

(ii) In Friction welding filler metal, flux or shielding gas is used

- Only i
 Only ii
 Both i and ii
 None of these

No, the answer is incorrect.

Score: 0

Accepted Answers:

Only i

10) Choose the Welding process with the corresponding heat source generated by the process. **1 point**

Process	Heat source
(A) Seam welding	(i) Electric arc
(B) MIG welding	(ii) Solid state joining
(C) Friction welding	(iii) Ohmic resistance

- A-iii, B-i, C-ii
 A-iii, B-ii, C-i
 A-ii, B-iii, C-i
 A-i, B-ii, C-iii

No, the answer is incorrect.

Score: 0

Accepted Answers:

A-iii, B-i, C-ii

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