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NPTEL

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Courses » Advances in Welding and Joining Technologies

Announcements Course Ask a Question Progress Mentor

Unit 1 - How to access the portal

Course outline

How to access the portal

- Lesson 1: How to access the home page?
- Lesson 2: How to access the course page?
- Lesson 3: How to access the MCQ, MSQ and Programming assignments?
- Quiz : Assignment 0

Week 1: Fundamentals of Welding and Joining

Week 2: Laser and Electron Beam Welding

Week 3: Solid State Welding Processes

Week 4: Computational Welding Mechanics

Week 5: Micro and Nano Joining Processes

Week 6: Welding Metallurgy

Week 7: Welding and Joining of Non-Metals

Assignment 0

The due date for submitting this assignment has passed. **Due on 2018-02-05, 23:59 IST.**

Submitted assignment

1) Which of the following process classified as solid-state welding process? **1 point**

- Oxyfuel welding
- Electron beam welding
- Friction welding
- Resistance welding

No, the answer is incorrect.

Score: 0

Accepted Answers:

Friction welding

2) LASER stands for ? **1 point**

- Light amplification by stimulated emission of radiation
- Light amplification by steady emission of radiation
- Light amplification by stipulated emission of radiation
- Low amplification by stimulated emission of radiation

No, the answer is incorrect.

Score: 0

Accepted Answers:

Light amplification by stimulated emission of radiation

3) Which welding process requires a vacuum environment? **1 point**

- Laser welding
- Electron beam welding
- Gas tungsten arc welding
- Plasma welding

No, the answer is incorrect.

Score: 0

Accepted Answers:

Electron beam welding

4) Which of the following welding process utilizes a non-consumable electrode ? **1 point**

- Gas-tungsten arc welding
- Plasma arc welding
- Shielded metal arc welding

Week 8: Metal Transfer in Welding and Metal Printing

- Gas-metal arc welding

No, the answer is incorrect.

Score: 0

Accepted Answers:

Gas-tungsten arc welding

5) Which of the following process does not uses flux during welding ?

1 point

- Submerged arc welding
 Gas metal arc welding
 Flux cored arc welding
 Friction welding

No, the answer is incorrect.

Score: 0

Accepted Answers:

Friction welding

6) Which of the following welding process has high power density ?

1 point

- Shielded metal arc welding
 Electron beam welding
 Plasma welding
 Gas tungsten arc welding

No, the answer is incorrect.

Score: 0

Accepted Answers:

Electron beam welding

7) Which of the following is/are welded joint ?

1 point

- Butt and lap joints
 T joints
 Corner joints and edge joints
 All of the above

No, the answer is incorrect.

Score: 0

Accepted Answers:

All of the above

8) The composition of soft solder is

1 point

- Lead-37%, tin-63%
 Lead-50%, tin-50%
 Lead-63%, tin-37%
 Lead-70%, tin-30%

No, the answer is incorrect.

Score: 0

Accepted Answers:

Lead-50%, tin-50%

9) In friction welding, the metal at the interface when the joining occurs is described as being in the

1 point

- Liquid state
 Intercritical state
 Plastic state
 Elastic state

No, the answer is incorrect.

Score: 0

Accepted Answers:

Plastic state

10) When two different materials are welded together the joint is referred to as

1 point

- A composite joint
- A transition joint
- An autogenous weld
- Heterogeneous joint

No, the answer is incorrect.

Score: 0

Accepted Answers:

Heterogeneous joint

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