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Courses » Joining Technologies for metals

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Unit 2 - Week 1

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Course outline

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Week 1

- Lec 1 - Introduction: Manufacturing and Joining
- Lec 02 - Fundamental mechanisms of Joining
- Lec 03 - Classification of Joining Processes
- Lec 04 - Heat Generation in Welding
- Lec 05 - Protection of Weld Metal
- Quiz : Assignment 1
- Solution for Assignment No. 1

Week 2

Week 3

Assignment 1

The due date for submitting this assignment has passed. As per our records you have not submitted this assignment. **Due on 2019-03-13, 23:59 IST.**

1) Process which uses to plastic deformation for manufacturing is **1 point**

- Casting
- Forming
- Machining
- All of these

No, the answer is incorrect.
Score: 0

Accepted Answers:
Forming

2) Joining is **1 point**

- Zero process
- Negative Process
- Positive Process
- Mixed Process

No, the answer is incorrect.
Score: 0

Accepted Answers:
Positive Process

3) In the deformation based joining process heat generation is **1 point**

- Extreme
- Limited
- No heat generation at all
- Intermediate

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Week 8

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- Increase the yield strength of metal
- Lower the yield strength of the metal
- First increase and then decrease strength
- No effect on the yield strength of the metal

No, the answer is incorrect.

Score: 0

Accepted Answers:

Lower the yield strength of the metal

5) Process in which filler metal is not used named as

1 point

- Autogenous welding
- Fusion welding
- Solid state welding
- Resistance welding

No, the answer is incorrect.

Score: 0

Accepted Answers:

Autogenous welding

6) Welding process in which molten metal is prepared outside and then it is fed between the faying surfaces is

1 point

- Arc welding
- Electro slag welding
- Thermite welding
- Laser welding

No, the answer is incorrect.

Score: 0

Accepted Answers:

Thermite welding

7) High energy density welding process associated with

1 point

- Low heat input
- High heat input
- No heat input
- No relation with heat input

No, the answer is incorrect.

Score: 0

Accepted Answers:

Low heat input

8) Chemical reaction approach is used as a source of heat in

1 point

- Electro slag welding
- Tungsten inert gas welding
- Thermite welding
- All of these

No, the answer is incorrect.

Score: 0

Accepted Answers:*Thermite welding*

9) Porosity in the weld metal caused due to

1 point

- High solubility of the gases in liquid and solid state
- Low solubility of the gases in liquid and solid state
- Equal solubility of the gases in the liquid and solid state
- High difference in the solubility of the gases in the liquid and solid state

No, the answer is incorrect.**Score: 0****Accepted Answers:***High difference in the solubility of the gases in the liquid and solid state*

10) The approach used for protecting the arc in submerged arc welding is

1 point

- Shielding gas like Helium or Argon
- Molten granular flux
- Mixture of Helium and Argon gas in definite proportion
- Inactive shielding gas

No, the answer is incorrect.**Score: 0****Accepted Answers:***Molten granular flux*[Previous Page](#)[End](#)