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Courses » Weldability of Metals

Announcements

Course

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Unit 5 - Week 4

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Course outline

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Week 1

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Week 4

- Weldability of Medium Carbon Steel and High Carbon Steel
- Weldability of Carbon and Welding Processes- I
- Weldability of Carbon and Welding Processes- II
- Weldability of Carbon Steel and Welding Processes- III
- Weldability of Carbon Steel and Radiation Welding and Thermal Cutting

Assignment 4

The due date for submitting this assignment has passed.

As per our records you have not submitted this assignment. **Due on 2019-03-27, 23:59 IST.**

1) Generally, under matching fillers are preferred **1 point**

- In butt weld joint configuration
- To reduce residual stress/distortion tendency
- To deal with contraction strain imposed during welding
- Both b and c

No, the answer is incorrect.

Score: 0

Accepted Answers:

Both b and c

2) Stress relieving treatment is performed **1 point**

- Before welding of the plates
- Above the lower critical temperature
- Below the lower critical temperature
- In between lower and upper critical temperature

No, the answer is incorrect.

Score: 0

Accepted Answers:

Below the lower critical temperature

3) The process using which we need to supply lowest heat input for developing a weld joint is **1 point**

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

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Week 6
Week 7
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Cellulose

Rutile

Basic

Combination of cellulose and rutile

No, the answer is incorrect.
Score: 0

Accepted Answers:
Basic

5) Single pass welding of plates having thickness 150 mm can be achieved by **1 point**

Gas Metal Arc Welding

Gas Tungsten Metal Arc Welding

Electro-Slag Welding

Shielded Metal Arc Welding

No, the answer is incorrect.
Score: 0

Accepted Answers:
Electro-Slag Welding

6) Rapid cooling of weld joint after gas welding in general will help in **1 point**

Grain refinement

Regulating cooling rate

Improved mechanical properties

All of above

No, the answer is incorrect.
Score: 0

Accepted Answers:
All of above

7) With increase in thickness of sheet metals to be joined during resistance spot welding, the electrode face diameter should **1 point**

Decrease

Increase

Remains constant

All of above

No, the answer is incorrect.
Score: 0

Accepted Answers:
Increase

8) Tempering current in resistance spot welding is **1 point**

Higher than welding current

Lower than welding current

Same as welding current

Two to three times higher than welding current

No, the answer is incorrect.
Score: 0

Accepted Answers:*Lower than welding current*9) Poor surface roughness in thermal cutting with air jet of high cutting steels is caused by **1 point**

- Oxidation caused by air jet
- Removal of oxides
- Heat treatment of cut edge
- Martensitic transformation

**No, the answer is incorrect.****Score: 0****Accepted Answers:***Oxidation caused by air jet*10) With increase in carbon content in high strength low alloy steels **1 point**

- Toughness will increase and hardness/strength will decrease
- Toughness will decrease and hardness/strength will increase
- Toughness, hardness and strength will increase
- Toughness, hardness and strength will decrease

**No, the answer is incorrect.****Score: 0****Accepted Answers:***Toughness will decrease and hardness/strength will increase*[Previous Page](#)[End](#)