

X

NPTEL

reviewer4@nptel.iitm.ac.in ▼

Courses » Weldability of Metals

Announcements

Course

Ask a Question

Progress

FAQ

Unit 8 - Week 7

Register for
Certification exam

Course outline

How to access
the portal

Week 1

Week 2

Week 3

Week 4

Week 5

Week 6

Week 7

- Weldability of Pre-Coated Steel- I
- Weldability of Pre-Coated Steel- II
- Weldability of Stainless Steel- I
- Weldability of Stainless Steel- II
- Weldability of Martensitic Stainless Steel- I

Assignment 7

The due date for submitting this assignment has passed.

As per our records you have not submitted this assignment. **Due on 2019-04-17, 23:59 IST.**

1) Aluminized steel uses coating of Al with

1 point

- 8% Mg
- 4% Mg
- 4% Si
- 8% Si

No, the answer is incorrect.

Score: 0

Accepted Answers:

8% Si

2) Formation of Fe-Al intermetallic compound in weld metal of pre-coated C steel results in

1 point

- Higher strength
- Lower strength
- Higher ductility
- Higher formability of weld

No, the answer is incorrect.

Score: 0

Accepted Answers:

Lower strength

3) Problem of embrittlement is found to be more in

1 point

- Electroplated galvanized steel
- Hot dipped galvanized steel
- Bare/uncoated C steel
- All of above

© 2014 NPTEL - Privacy & Terms - Honor Code - FAQs -

A project of



NPTEL

National Programme on
Technology Enhanced Learning

In association with

NASSCOM®

Funded by

DOWNLOAD
VIDEOS

Text Transcript

Interaction
Session

- Lower heat input
- Higher welding speed
- Lower Si percentage in electrode
- Higher Si percentage in electrode

No, the answer is incorrect.

Score: 0

Accepted Answers:

Lower Si percentage in electrode

5) Hardening due to phase transformation can be realized in

1 point

- High Mn (>18%) steel
- Martensitic stainless steel
- Austenitic stainless steel
- Both austenitic and martensitic stainless steel

No, the answer is incorrect.

Score: 0

Accepted Answers:

Martensitic stainless steel

6) Property of stainless steel which is generally found lower than the carbon steel is

1 point

- Thermal coefficient
- Electrical resistivity
- Corrosion resistance
- Thermal conductivity

No, the answer is incorrect.

Score: 0

Accepted Answers:

Thermal conductivity

7) Welding process which generally not preferred for the joining of austenitic stainless steel is

1 point

- Submerged arc welding
- Shielded metal arc welding
- Tungsten inert gas welding
- Metal inert gas welding

No, the answer is incorrect.

Score: 0

Accepted Answers:

Submerged arc welding

8) Weldability of martensitic stainless steel is greatly influenced by

1 point

- Embrittlement
- Cold cracking
- Residual stress development
- All of above

No, the answer is incorrect.

Score: 0

Accepted Answers:

All of above

9) With decrease in the C percentage in Fe-Cr binary phase diagram, the γ -loop (gamma loop) will **1 point**

- Decrease
- Increase
- Shifted to right side
- Remain unchanged

No, the answer is incorrect.

Score: 0

Accepted Answers:

Decrease

10) For similar alloying element contents in martensitic stainless steels, the carbon content leading to highest cracking susceptibility will be **1 point**

- 0.05%
- 0.1%
- 0.15%
- 0.2%

No, the answer is incorrect.

Score: 0

Accepted Answers:

0.2%

Previous Page

End