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Courses » Joining Technologies for metals

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Unit 5 - Week 4

Register for Certification exam

Course outline

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Week 4

- Lec 16 - Brazing
- Lec 17 - Soldering and braze welding
- Lec 18 - Fundamentals of resistance welding
- Lec 19 - Resistance welding processes: spot and seam welding
- Lec 20 - Flash butt welding
- Quiz : Assignment 4
- Solution for Assignment No. 4

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) Solid-liquid based joining processes is **1 point**

- Soldering
- Gas welding
- Gas tungsten arc welding
- Gas metal arc welding

No, the answer is incorrect.
Score: 0

Accepted Answers:
Soldering

2) Soldering/Brazing offers advantage of **1 point**

- Joining of metallurgically incompatible materials
- Welding in odd positions
- Low heat input
- All of above

No, the answer is incorrect.
Score: 0

Accepted Answers:
All of above

3) The factor which does not affect soldering process is **1 point**

- Clearance and orientation of sheets
- Melting point of base metal
- Cleanliness
- Metallurgical compatibility of base metal and solder

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- Low heat input
- Brass filler
- No fusion of base metal
- No capillary action

No, the answer is incorrect.**Score: 0****Accepted Answers:***No capillary action*

5) Pressure is applied on electrodes in resistance spot welding to

1 point

- Facilitate plastic deformation
- Ensure firm contact
- Avoid sparking and arcing
- Both b and c

No, the answer is incorrect.**Score: 0****Accepted Answers:***Both b and c*

6) With increase in current in resistance spot welding, tensile shear load carrying capacity

1 point

- Increases continuously
- Decreases continuously
- Increases then decreases
- Decreases then increases

No, the answer is incorrect.**Score: 0****Accepted Answers:***Increases then decreases*

7) The joining process used for developing the gas tight joints

1 point

- Spot welding
- Seam welding with 10% overlap
- Riveting
- Seam welding with more than 50% overlap

No, the answer is incorrect.**Score: 0****Accepted Answers:***Seam welding with more than 50% overlap*

8) Current flows through very thin layer of the substrate surface in case of

1 point

- Spot welding
- Seam welding
- Continuous seam welding
- High frequency welding

No, the answer is incorrect.**Score: 0****Accepted Answers:**

High frequency welding

9) During flash butt welding, the stage in which the current supplied will be maximum and constant for longer time **1 point**

- Preheating
- Flashing
- Upsetting
- Holding

No, the answer is incorrect.

Score: 0

Accepted Answers:

Flashing

10) Displacement of workpiece during flash butt welding will be maximum during **1 point**

- Preheating
- Flashing
- Upsetting
- Holding

No, the answer is incorrect.

Score: 0

Accepted Answers:

Upsetting

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