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Courses » Manufacturing Guidelines for Product Design

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## Unit 7 - Week 6

Register for Certification exam

### Course outline

How to access the portal

Week 1

Week 2

Week 3

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Week 6

Assembly Processes : Introduction

Adhesive Joining : Guidelines

Design Guidelines for Mechanical Fasteners

Design Guidelines for Welding

Design guidelines : Brazing and Soldering

Quiz :

## Assignment 6

The due date for submitting this assignment has passed.

As per our records you have not submitted this assignment. **Due on 2019-04-10, 23:59 IST.**

1) Failure mechanism(s) observed in adhesive joints is(are): **1 point**

- Adhesive failure
- Cohesive failure
- Mixed failure
- All of these

**No, the answer is incorrect.**

**Score: 0**

**Accepted Answers:**

*All of these*

2) Failure mechanism(s) observed in mechanical fastened joint is(are): **1 point**

- Cleavage
- Bolt shear
- Both (a) and (b)
- None of these

**No, the answer is incorrect.**

**Score: 0**

**Accepted Answers:**

*Both (a) and (b)*

3) Which of the following is(are) the advantage(s) of adhesive joints: **1 point**

- No special preparation of joints
- Adherends are not much affected by heat
- Allow intentional disassembly without damaging parts involved
- All of these

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- 2-5%
- 5-7%
- 7-10%
- None of these

No, the answer is incorrect.

Score: 0

Accepted Answers:

5-7%

5) In case of riveting, holes should be between \_\_\_\_\_ stock thicknesses from the edge (where T is the sheet thickness);

1 point

- 0.5-8T
- 0.5-10T
- 1.5-8T
- 0.8-10T

No, the answer is incorrect.

Score: 0

Accepted Answers:

1.5-8T

6) In case of welding, short flanged butt joints are preferable for joining;

1 point

- Thin materials
- Thick materials
- Both (a) and (b)
- None of these

No, the answer is incorrect.

Score: 0

Accepted Answers:

Thin materials

7) Fillet welds must be designed for:

1 point

- Tension
- Compression
- Shear
- All of these

No, the answer is incorrect.

Score: 0

Accepted Answers:

Shear

8) In soldering, \_\_\_\_\_ is used as solder material.

1 point

- Polymeric material
- Non-ferrous alloy
- Ferrous alloy
- All of these

No, the answer is incorrect.

Score: 0

**Accepted Answers:***Non-ferrous alloy*

9) In brazing, the braze should have liquidus temperature:

**1 point**

- above 450°C
- below 450°C
- above 150°C
- below 150°C

**No, the answer is incorrect.****Score: 0****Accepted Answers:***above 450°C*

10) Brazing process is applicable for which of the following material(s);

**1 point**

- Stainless steels
- Copper
- Brass
- All of these

**No, the answer is incorrect.****Score: 0****Accepted Answers:***All of these*[Previous Page](#)[End](#)