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Courses » Introduction To Composites

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Unit 5 - WEEK 04

Register for
Certification exam

Course outline

How to access
the portal

WEEK 01

WEEK 02

WEEK 03

WEEK 04

- Lecture19:
What is an appropriate fabrication process of a composite?
- Lecture20:
Fabrication of Thermoset Composites
- Lecture21:
Hand Lay-Up Process
- Lecture22: Bag Molding Process
- Lecture23:
Resin Transfer Molding Process
- Lecture24:
Fabrication of

Assignment 04

The due date for submitting this assignment has passed.

As per our records you have not submitted this assignment. **Due on 2019-02-27, 23:59 IST.**

1) Which of following statements are true for Spray Lay-Up process? **1 point**

1. Laminates tend to be very resin-rich and therefore excessively heavy.
2. Short as well as long fibers can be incorporated by this method.
3. Resins need to be low in viscosity.

- 1 and 2
- 2 only
- 1 and 3
- All

No, the answer is incorrect.

Score: 0

Accepted Answers:

1 and 3

2)is a suitable resin for the vacuum bag molding process. **1 point**

- Polyesters
- Vinylester
- Epoxy
- None of these.

No, the answer is incorrect.

Score: 0

Accepted Answers:

Epoxy

3) Which of the following statements are true for filament winding process? **1 point**

1. It is not possible to produce parts with reverse curvature (female features).

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All 1,2 and 3
No, the answer is incorrect.
Score: 0
Accepted Answers:
All 1,2 and 3

4) Resin Transfer Molding **1 point**
 Filament Winding
 Pultrusion
 Infusion

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

5) a-3, b-4, c-1, d-2 **1 point**
 a-3, b-4, c-2, d-1
 a-2, b-1, c-3, d-4
 a-2, b-1, c-4, d-3

No, the answer is incorrect.
Score: 0
Accepted Answers:
a-3, b-4, c-1, d-2

6)flakes are commonly employed in paints and other coatings to enhance the quality of the finished surface. **1 point**

Mica
 Silver
 Aluminum
 Copper

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

7)is the most suitable fiber for the production of personal armors. **1 point**

Glass Fiber
 Carbon Fiber
 Ceramic Fiber
 Aramid Fiber

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

8) **Assertion (A):** Moldings made from SMC have higher mechanical properties as compared to moldings made from DMC. **1 point**
Reason (R): SMC contains longer as well as more fibers as compared to DMC.

- Both A and R are true and R is the correct explanation of A
- Both A and R are true but R is NOT the correct explanation of A
- A is true but R is false
- A is false but R is true

No, the answer is incorrect.

Score: 0

Accepted Answers:

Both A and R are true and R is the correct explanation of A

9) In bag molding process, bleeder plies are used to.....

1 point

- act as a path way for air bubbles and volatile materials to exit out
- absorb excess resin
- protect against contaminating agents
- ensure that the part does not get stuck to the mold plate

No, the answer is incorrect.

Score: 0

Accepted Answers:

absorb excess resin

10) Ceramics are very sensitive to thermal stresses. These materials have.....

1 point

- High Young's modulus and Low elongation capability.
- Low Young's modulus and High elongation capability.
- High Young's modulus and High elongation capability.
- Low Young's modulus and Low elongation capability.

No, the answer is incorrect.

Score: 0

Accepted Answers:

High Young's modulus and Low elongation capability.

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