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

   - Polysters
   - 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).
2. Fiber direction cannot be changed within a layer of winding.
3. Composite product configuration should be such that it should facilitate in mandrel extraction.

   - 1 and 3
   - 1 and 2
   - 2 only
   - None of these.

No, the answer is incorrect.
Score: 0
Accepted Answers: 1 and 3
4) Resin Transfer Molding
  Filament Winding
  Pultrusion
  Infusion

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

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

6) Flakes are commonly employed in paints and other coatings to enhance the quality of the finished surface.

Mica
Silver
Aluminum
Copper

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

7) Is the most suitable fiber for the production of personal armors.

Glass Fiber
Carbon Fiber
Ceramic Fiber
Aramid Fiber

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

8) Assertion (A): Moldings made from SMC have higher mechanical properties as compared to moldings made from DMC.

Reason (R): SMC contains longer as well as more fibers as compared to DMC.
9) In bag molding process, bleeder plies are used to...........  
   - 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.........  
   - 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.