Assignment 3

The due date for submitting this assignment has passed. As per our records, you have not submitted this assignment.

1) Composites have
- High specific strength
- High specific modulus
- Low specific strength
- Low specific modulus

Score: 1.5

2) Thermoforming matrix in a composite:
- Is recyclable
- Is not recyclable
- Has high viscosity before curing
- Has low viscosity before curing

Score: 1.5

3) Thermoforming matrix in a composite:
- Is thermally stable after curing
- Is thermally unstable after curing
- Has low viscosity before curing
- Has high viscosity before curing

Score: 1.5

4) Gel time is a property of significant importance for thermoplastic matrix:
- True
- False

Score: 1.5

5) Gel:
- Indicates the purity of the resin
- Quantifies each component present in the mixture
- Gives an idea about the molecular weight of the structure
- Indicates transition from a semi-solid to an elastic solid

Score: 1.5

6) With increase in matrix content of the reinforcement, the property of the composite improves:
- True
- False

Score: 1.5

7) Which of the following statements is true for differential scanning calorimetry?
- Melting of crystalline polymer is endothermic process
- Melting of crystalline polymer is exothermic process
- Crystallization is exothermic process
- Crystallization is endothermic process

Score: 1.5

8) Which of the following statements is true for differential scanning calorimetry?
- Multiple peaks in DSC curve indicate the impurity of the sample
- Crystallization is endothermic process
- Crystallization is exothermic process
- DSC determines the different functional groups in a sample

Score: 1.5

9) Which of the following statements is true for thermally bonded curing?
- Unidirectional Composite made of thermally bonded curing gives better tensile stress characteristics than unidirectional composite made of friction screw
- Unidirectional Composite made of friction screw gives better tensile stress characteristics than unidirectional composite made of thermally bonded curing
- Plain woven fabric composite from thermally bonded curing shows better tensile stress characteristics than plain woven fabric composite from friction screw bonding
- Unidirectional fabric composite from thermally bonded curing shows better tensile stress characteristics than plain woven fabric composite from friction screw bonding

Score: 1.5

10) Which of the following statements is true for thermally bonded curing?
- Unidirectional Composite made of thermally bonded curing gives better tensile stress characteristics than unidirectional composite made of friction screw
- Unidirectional fabric composite from thermally bonded curing shows better tensile stress characteristics than plain woven fabric composite from friction screw bonding
- Unidirectional fabric composite from thermally bonded curing shows better tensile stress characteristics than plain woven fabric composite from friction screw bonding
- Thermally bonded curing gives better tensile stress characteristics than plain woven fabric composite from friction screw bonding

Score: 1.5