Assignment 4

Due date for submitting this assignment passed.

Assignment submitted on 2020-10-08, 09:28 IST

1) Net Force

- Provides information about the components of the system.
- Provides information about the presence of functional groups.
- Measures resistance to force.
- Indicates transition from viscous fluid to solid state.

Yes, the answer is correct.

Score: 1

Accepted Answers:
- Indicates transition from viscous fluid to solid state.

2) High viscosity resin

- Thoroughly incorporates the reinforcing structure under normal consolidation conditions.
- Incorporates the reinforcing structure under severe consolidation conditions.
- Produces composites with higher void content.

Yes, the answer is incorrect.

Score: 1

Accepted Answers:
- Thoroughly incorporates the reinforcing structure under severe consolidation conditions.

3) Watch the following

<table>
<thead>
<tr>
<th>A. APR</th>
<th>1. Clay</th>
</tr>
</thead>
<tbody>
<tr>
<td>B. MRI</td>
<td>2. Red mud (%)</td>
</tr>
<tr>
<td>C. TMT</td>
<td>3. XRD</td>
</tr>
<tr>
<td>D. DSC</td>
<td>4. 20/100 (degree)</td>
</tr>
</tbody>
</table>

- A, B, C, D, 0-2
- A, B, C, D, 0, 1, 2
- A, B, C, D, 0, 1
- A, B, C, D

Yes, the answer is incorrect.

Score: 1

Accepted Answers:
- A, B, C, D, 0, 1

4) Watch the following

<table>
<thead>
<tr>
<th>A. Viscosity</th>
<th>1. Chromatographic column</th>
</tr>
</thead>
<tbody>
<tr>
<td>B. Heat Flow</td>
<td>2. TGA</td>
</tr>
<tr>
<td>C. Moisture Content</td>
<td>3. Boiling</td>
</tr>
<tr>
<td>D. HRA</td>
<td>4. 20/100 (degree)</td>
</tr>
</tbody>
</table>

- A, B, C, D, 0-2
- A, B, C, D, 0, 1, 2
- A, B, C, D, 0, 1
- A, B, C, D

Yes, the answer is incorrect.

Score: 1

Accepted Answers:
- A, B, C, D, 0, 1

5) The correct statements amongst the following for DSC curve:

- Melting of crystalline polymer is exothermic process.
- Melting of crystalline polymer is exothermic process.
- Crystallization is exothermic process.
- Crystallization is endothermic process.

Yes, the answer is incorrect.

Score: 1

Accepted Answers:
- Melting of crystalline polymer is endothermic process.

6) Extracting the specific thickness ratio for facial skin testing of specimen:

- Minimizes the tensile component.
- Minimizes the compressive component.
- Minimizes the shear component.
- Minimizes the tensile, shear, and compressive component in equal proportion.

Yes, the answer is incorrect.

Score: 1

Accepted Answers:
- Minimizes the shear component.

7) The correct statement amongst the following stands:

- Specimen tested in 3 point bend test in general has lower strength than specimen loaded in 4 point bend test.
- Specimen tested in 4 point bend test in general has lower strength than specimen loaded in 3 point bend test.
- Maximum load is before the bending point in 3 point bend test.
- Maximum load is in between bending points in the 4 point bend test.

Yes, the answer is incorrect.

Score: 1

Accepted Answers:
- Specimen loaded in 4 point bend test in general has lower strength than specimen loaded in 3 point bend test.

8) The correct statement amongst the following for Thoroughly consolidation techniques:

- In transmission mode, amount of heat transmitted to receiver is less in the presence of defect.
- In transmission mode, amount of heat transmitted to receiver is more in the presence of defect.
- In reflection mode, amount of heat transmitted to receiver is less in the presence of defect.
- In reflection mode, amount of heat transmitted to receiver is more in the presence of defect.

Yes, the answer is incorrect.

Score: 1

Accepted Answers:
- In transmission mode, amount of heat transmitted to receiver is more in the presence of defect.

9) Tall formwork in brick last option:

- Enhance permeability of permeable concrete in gauge range.
- Enhance permeability of permeable concrete in gauge range.
- Increase load concentration in gauge range.
- Increase load concentration in gauge range.

Yes, the answer is incorrect.

Score: 1

Accepted Answers:
- Enhance permeability of permeable concrete in gauge range.

10) The nature of failure for highly textile fiber and polyaramide composites during tension loading shown:

- Metallic fiber reinforcement.
- Silk strengthening of fiber.
- Temper strengthening of fiber.
- Silk strengthening of fiber.

Yes, the answer is incorrect.

Score: 1

Accepted Answers:
- Metallic fiber reinforcement.