

Unit 2 - Week 1

Course outline

How does an NPTEL online course work?

Week 1

- Introduction to course
- Engineering materials and processing techniques
- Thermoplastics and thermosets
- Processing of polymers
- Thermoforming processes

Quiz : Assignment 1

- Solution For Assignment 1

Week 2

Week 3

Week 4

Week 5

Week 6

Week 7

Week 8

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WEEKLY FEEDBACK

Assignment 1

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

Due on 2020-02-12, 23:59 IST.

1) Thermosets usually have three dimensional network of covalent intermolecular bonds (cross-linked structures).

1 point

- True
 False

No, the answer is incorrect.
Score: 0

Accepted Answers:
True

2) The air pressure required in vacuum forming of plastics is much higher as compared to the pressure forming.

1 point

- True
 False

No, the answer is incorrect.
Score: 0

Accepted Answers:
False

3) Thermoforming is the processing technique in which the products of thermoplastic polymers are formed with the application of heat and pressure in a mold.

1 point

- True
 False

No, the answer is incorrect.
Score: 0

Accepted Answers:
True

4) The molecular structure of Bakelite after curing on addition of hardener is;

1 point

- Cross-linked structure
 Linear structure
 Branched structure
 None of the above

No, the answer is incorrect.
Score: 0

Accepted Answers:
Cross-linked structure

5) Among the following, select the plastic which when molded once, cannot be softened by heating;

1 point

- Epoxy
 Polyvinyl chloride
 Polypropylene
 Polyethylene

No, the answer is incorrect.
Score: 0

Accepted Answers:
Epoxy

6) Different types of thermoforming processes are;

1 point

- 1 Vacuum forming
2 Matched die forming
3 Pressure forming

- 1 and 2
 1 and 3
 2 and 3
 1, 2 and 3

No, the answer is incorrect.
Score: 0

Accepted Answers:
1, 2 and 3

7) Electrical switches and plastic bottles are usually made of;

1 point

- Thermosetting polymers
 Thermoplastic polymers
 Thermoplastic and thermosetting polymers, respectively
 Thermosetting and thermoplastic polymers, respectively

No, the answer is incorrect.
Score: 0

Accepted Answers:
Thermosetting and thermoplastic polymers, respectively

8) Casting process can be used for processing of;

1 point

- Polyethylene
 Bakelite
 Both A and B
 None of these

No, the answer is incorrect.
Score: 0

Accepted Answers:
Both A and B

9) The product quality depends on;

1 point

- Design
 Materials
 Processing technology
 All of these

No, the answer is incorrect.
Score: 0

Accepted Answers:
All of these

10) Polyurethane is an example of;

1 point

- Biodegradable polymer
 Thermosetting
 Both A and B
 None of these

No, the answer is incorrect.
Score: 0

Accepted Answers:
Thermosetting