

# Unit 4 - Week 3

## Course outline

How does an NPTEL online course work?

### Week 1

### Week 2

### Week 3

- Transfer molding
- Rotational molding
- Blow molding
- Composite materials: Basic concepts
- Classification of composite materials

### Quiz : Assignment 3

- Solution For Assignment 3

### Week 4

### Week 5

### Week 6

### Week 7

### Week 8

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## Assignment 3

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

**Due on 2020-02-19, 23:59 IST.**

1) The machining of plastic material depends upon the cutting tool material and rigidity of the material being cut. 1 point

- True  
 False

No, the answer is incorrect.  
Score: 0

Accepted Answers:  
True

2) No external pressure is required in transfer molding process. 1 point

- True  
 False

No, the answer is incorrect.  
Score: 0

Accepted Answers:  
True

3) In rotational molding, the external surface finish of the product is exact replica of mold surface finish; 1 point

- True  
 False

No, the answer is incorrect.  
Score: 0

Accepted Answers:  
True

4) The natural fiber reinforced non-biodegradable polymeric composites are termed as fully *green* composites. 1 point

- True  
 False

No, the answer is incorrect.  
Score: 0

Accepted Answers:  
False

5) Composite materials are used to achieve combination of properties not attainable with metals, ceramics and polymers alone. 1 point

- True  
 False

No, the answer is incorrect.  
Score: 0

Accepted Answers:  
True

6) \_\_\_\_\_ is a high temperature and low pressure plastic forming process. 1 point

- Compression molding  
 Blow molding  
 Rotational molding  
 Injection molding

No, the answer is incorrect.  
Score: 0

Accepted Answers:  
Rotational molding

7) \_\_\_\_\_ is widely used to enclose or encapsulate items such as plugs, connectors and pins. 1 point

- Transfer molding  
 Blow molding  
 Rotational molding  
 All of these

No, the answer is incorrect.  
Score: 0

Accepted Answers:  
Transfer molding

8) The different stages involved in the rotational molding process are mentioned below; 1 point

- 1 Heating
- 2 Charging
- 3 Demolding
- 4 Cooling

The correct order of stages involved in the process is;

- 2-1-3-4  
 2-1-4-3  
 1-2-3-4  
 1-2-4-3

No, the answer is incorrect.  
Score: 0

Accepted Answers:  
2-1-4-3

9) Composite materials can be classified based on; 1 point

- Matrix material  
 Type of reinforcement  
 Chemical nature of the reinforcement  
 All of these

No, the answer is incorrect.  
Score: 0

Accepted Answers:  
All of these

10) Generally, the stiffer constituent of a polymeric matrix composite material is; 1 point

- Reinforcement  
 Matrix  
 Both A and B  
 Can't define

No, the answer is incorrect.  
Score: 0

Accepted Answers:  
Reinforcement