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**Courses » Rapid Manufacturing**

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## Unit 6 - Week 04

Register for Certification exam

### Course outline

How to access the portal

Week 00

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**Week 04**

○ Lectures 11, Subtractive versus Rapid Manufacturing, Dr. Janakarajan Ramkumar

○ Lectures 12, Reverse Engineering (Part 1 of 2), Dr. Janakarajan Ramkumar

○ Lectures 13, Reverse Engineering (Part 2 of 2), Dr. Janakarajan Ramkumar

○ Quiz : Assignment 04

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## 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) State the following statement as true or false. **1 point**

"Rapid Manufacturing is a revolutionizing product development and manufacturing technology."

- True
- False

**No, the answer is incorrect.**

**Score: 0**

**Accepted Answers:**

True

2) State the following statement as true or false. **1 point**

"Rapid Manufacturing cannot be seen as a way to more effectively predict the amount of time to fabricate models."

- True
- False

**No, the answer is incorrect.**

**Score: 0**

**Accepted Answers:**

False

3) Which of the following statement/s about CNC machining is correct? **1 point**

- It can be used for soft materials
- It can be used for machinable waxes
- It can be used for medium density fiberboard
- All of these

**No, the answer is incorrect.**

**Score: 0**

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Week 07	<input type="radio"/> False	
Week 08	<b>No, the answer is incorrect.</b> <b>Score: 0</b>	
Week 09	<b>Accepted Answers:</b> <i>False</i>	
Week 10	5) State the following statement as true or false. <b>1 point</b>	
Week 11	"Rapid manufacturing machines generally operate with a resolution of a few tens of microns." 	
Week 12	<input type="radio"/> True <input type="radio"/> False	
DOWNLOAD VIDEOS	<b>No, the answer is incorrect.</b> <b>Score: 0</b>	
Interaction Session	<b>Accepted Answers:</b> <i>True</i>	
	6) The process of obtaining a geometric CAD model from 3D points acquired by scanning/digitizing existing parts/products is best known as: <b>1 point</b> 	
	<input type="radio"/> Forward Engineering <input type="radio"/> Backward Engineering <input type="radio"/> Reverse Engineering <input type="radio"/> Product Engineering	
	<b>No, the answer is incorrect.</b> <b>Score: 0</b>	
	<b>Accepted Answers:</b> <i>Reverse Engineering</i>	
	7) What is the third step in Reverse Engineering? <b>1 point</b>	
	<input type="radio"/> Digitization of the object <input type="radio"/> Creation of CAD model <input type="radio"/> Prototype <input type="radio"/> None of these	
	<b>No, the answer is incorrect.</b> <b>Score: 0</b>	
	<b>Accepted Answers:</b> <i>Creation of CAD model</i>	
	8) What is the disadvantage of contact scanners? <b>1 point</b>	
	<input type="radio"/> It is based only on CMM <input type="radio"/> Soft materials cannot be scanned accurately <input type="radio"/> Very small size job (Nano-microns) can be scanned <input type="radio"/> All of these	
	<b>No, the answer is incorrect.</b> <b>Score: 0</b>	
	<b>Accepted Answers:</b> <i>Soft materials cannot be scanned accurately</i>	
	9) What is the last step in 3D Scanning process? <b>1 point</b>	
	<input type="radio"/> Acquisition	

- Alignment
- CAD modeling
- None of these

**No, the answer is incorrect.**

**Score: 0**

**Accepted Answers:**

*None of these*

10) What is(are) the advantage(s) of Reverse Engineering?

**1 point**

- High accuracy
- Low costs
- Insensitivity to color or transparency
- All of these

**No, the answer is incorrect.**

**Score: 0**

**Accepted Answers:**

*All of these*

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