

X



reviewer4@nptel.iitm.ac.in ▼

Courses » Rapid Manufacturing Announcements **Course** Ask a Question Progress FAQ

Unit 10 - Week 08

Register for Certification exam

Course outline

How to access the portal

Week 00

Week 01

Week 02

Week 03

Week 04

Week 05

Week 06

Week 07

Week 08

Lectures 26, 3D printing processes, Dr. Janakarajan Ramkumar

Lectures 27, Laboratory Demonstration, 3D printing (Part 1 of 3); Dr. Amandeep Singh

Lectures 28,

Assignment 08

The due date for submitting this assignment has passed.

As per our records you have not submitted this assignment. **Due on 2019-03-27, 23:59 IST.**

1) The processes where all of the part material is dispensed from a print head are called as: **1 point**

- Indirect Printing
- Direct Printing
- Smooth Printing
- Laser Printing

No, the answer is incorrect.

Score: 0

Accepted Answers:

Direct Printing

2) What is (are) the advantage(s) of both direct and indirect printing processes? **1 point**

- Low cost
- High speed
- Scalability
- All of these

No, the answer is incorrect.

Score: 0

Accepted Answers:

All of these

3) In the formulation of liquid material, other substances such as _____ are added to the liquid to attain acceptable characteristics. **1 point**

- surfactants
- pellets
- granules

© 2014 NPTEL - Privacy & Terms - Honor Code - FAQs -

A project of



In association with



Funded by

Demonstration,
3D printing
(Part 3 of 3);
Dr. Amandeep
Singh

Quiz :
Assignment 08

Feedback For
Week 8

Solution:
Assignment 08

Week 09

Week 10

Week 11

Week 12

DOWNLOAD
VIDEOS

Interaction
Session

the fluid reservoir, causing a pressurized column of fluid to be ejected from the nozzle.

- Continuous mode
- Drop-on-demand mode
- Both of these
- None of these

No, the answer is incorrect.

Score: 0

Accepted Answers:

Continuous mode

5) Calculate the Reynolds number for a fluid having density of 1200 kg per cubic meter, flow velocity of 12 meters per second, flowing in a tube of radius 1 meter and having viscosity of 2 squared meter per second. **1 point**

- 7000
- 7100
- 7200
- 7300

No, the answer is incorrect.

Score: 0

Accepted Answers:

7200

6) What is the type of flow for the fluid indicated in the above problem? **1 point**

- Laminar
- Continuous
- Turbulent
- None of these

No, the answer is incorrect.

Score: 0

Accepted Answers:

Turbulent

7) Spot size is smaller in: **1 point**

- Fused Deposition Modeling
- Stereolithography Apparatus
- Both these offer same spot size
- Can't say

No, the answer is incorrect.

Score: 0

Accepted Answers:

Stereolithography Apparatus

8) 'Extruder movement' is essentially a significant process factor in: **1 point**

- Fused Deposition Modeling
- Stereolithography Apparatus
- Both these don't have extruder movement
- Can't say

No, the answer is incorrect.

Score: 0

Accepted Answers:

Fused Deposition Modeling

9) The precision in Fused Deposition Modeling depends upon:

1 point

- Bonding force
- Weight of upper layer
- Shifting of layers
- All of these



No, the answer is incorrect.

Score: 0

Accepted Answers:

All of these

10) Post processing in Fused Deposition Modeling in comparison to Stereolithography Apparatus is:

1 point

- Lower
- Higher
- Equivalent
- Can't say

No, the answer is incorrect.

Score: 0

Accepted Answers:

Lower

Previous Page

End