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Unit 8 - WEEK 07 Design Practice II

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☐ Introduction to
rapid
prototyping

☐ Different types
of rapid
prototyping
technologies

☐ Fused
Deposition
Modeling

☐ LAB

Assignment 07_Design Practice 2

The due date for submitting this assignment has passed.

As per our records you have not submitted this
assignment.

Due on 2018-10-17, 23:59 IST.

1) This type of rapid prototyping system uses a laser to fuse powdered metals, plastics, or ceramics: **1 point**

- ☐ Fused deposition modeling
- ☐ Stereolithography apparatus
- ☐ Solid ground curing
- ☐ Selective laser sintering

No, the answer is incorrect.

Score: 0

Accepted Answers:

Selective laser sintering

2) The major advantage of rapid prototyping is? **1 point**

- ☐ Cut cost
- ☐ More practical and efficient model
- ☐ Computer based model
- ☐ None of these

No, the answer is incorrect.

Score: 0

Accepted Answers:

Cut cost

3) Which type of model is likely to be created with a rapid prototyping system? **1 point**

- ☐ Mathematical model

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WEEK 07

**WEEK 08 Design
Practice II**

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Wireframe model

4) Surface on which prints are built

1 point

- ☐ Build plate
- ☐ Filament
- ☐ Slicing
- ☐ Extruder

No, the answer is incorrect.**Score: 0****Accepted Answers:***Build plate*5) The "hot glue gun" of a 3D printer; it uses filament to draw out the layers of your 3D prints. **1 point**

- ☐ Fused deposition modeling (FDM)
- ☐ Extruder
- ☐ Slicing
- ☐ Filament

No, the answer is incorrect.**Score: 0****Accepted Answers:***Extruder*

6) The act of turning a digital 3D model into thin layers used for 3D printing.

1 point

- ☐ Slicing
- ☐ Extruder
- ☐ Fused deposition modeling (FDM)
- ☐ Filament

No, the answer is incorrect.**Score: 0****Accepted Answers:***Slicing*

7) Materials used to build the 3D prints

1 point

- ☐ Fused deposition modeling (FDM)
- ☐ Extruder
- ☐ Slicing
- ☐ Filament

No, the answer is incorrect.**Score: 0****Accepted Answers:***Filament*

8) Which of the process is using extrusion concept?

1 point

- ☐ Stereolithography apparatus (SLA)
- ☐ Fused deposition modeling (FDM)
- ☐ Selective laser sintering (SLS)

☐ Multi-jet Modeling (MJM)

No, the answer is incorrect.

Score: 0

Accepted Answers:

Fused deposition modeling (FDM)

9) Which of the process, the input material is in powder form?

1 point

☐ Laminated object manufacturing (LOM)

☐ Selective laser sintering (SLS)

☐ Fused deposition modeling (FDM)

☐ Multi-jet Modeling (MJM)

No, the answer is incorrect.

Score: 0

Accepted Answers:

Selective laser sintering (SLS)

10) Which of the process, the input material is in liquid form?

1 point

☐ Laminated object manufacturing (LOM)

☐ Selective laser sintering

☐ Fused Deposition Modelling

☐ Multi jet Modelling

No, the answer is incorrect.

Score: 0

Accepted Answers:

Multi jet Modelling

11) Which one of the process is subtractive prototyping?

1 point

☐ Five axis CNC Milling

☐ Fused Deposition Modelling

☐ Multi jet Modelling

☐ Stereolithography Apparatus

No, the answer is incorrect.

Score: 0

Accepted Answers:

Five axis CNC Milling

12) Which one is NOT related to rapid prototyping definition?

1 point

☐ Layer-by-layer

☐ Physical model

☐ From 3D CAD data

☐ Production line

No, the answer is incorrect.

Score: 0

Accepted Answers:

Production line

13) The machining process that adds rather than removes material is called _____.

1 point

- ☐ additive manufacturing
- ☐ electrical discharge machining
- ☐ plasma cutting
- ☐ chip thinning

No, the answer is incorrect.

Score: 0

Accepted Answers:

additive manufacturing

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