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Courses » Manufacturing Guidelines for Product Design

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Unit 9 - Week 8

Register for Certification exam

Course outline

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Week 8

- Design for Environment
- Design for Environment: Steps
- Product Architecture
- Rapid Prototyping
- Product Design : Manufacturing Perspective
- Quiz :

Assignment 8

The due date for submitting this assignment has passed.

As per our records you have not submitted this assignment. **Due on 2019-04-24, 23:59 IST.**

1) Which one of the following is not a commercial LCA software? **1 point**

- SimaPro
- CloseLCA
- OpenLCA
- Sustainable Minds

No, the answer is incorrect.

Score: 0

Accepted Answers:

CloseLCA

2) The average workspace available in commercial Rapid Prototyping system is: **1 point**

- 150mm to 490mm in Y-direction
- 150mm to 390mm in Y-direction
- 150mm to 290mm in Y-direction
- 150mm to 220mm in Y-direction

No, the answer is incorrect.

Score: 0

Accepted Answers:

150mm to 390mm in Y-direction

3) For dispensing processes, such as FDM, wall thickness must be atleast _____ times greater than layer thickness. **1 point**

- Six
- Four
- Two

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ce De

- Sequential, Linear
- Linear, Iterative
- Linear, Sequential
- None of these

No, the answer is incorrect.

Score: 0

Accepted Answers:

Linear, Sequential



5) In which type of product architecture, interactions between chunks are well defined?

1 point

- Integral Product Architecture
- Modular Product Architecture
- Both (a) and (b)
- None of these



No, the answer is incorrect.

Score: 0

Accepted Answers:

Modular Product Architecture

6) Which type of architecture increases performance and reduces costs for any specific product model?

1 point

- Integral Product Architecture
- Modular Product Architecture
- Both (a) and (b)
- None of these

No, the answer is incorrect.

Score: 0

Accepted Answers:

Integral Product Architecture

7) In Rapid Prototyping system, holes should be oriented in such a way that their axes are:

1 point

- At an angle to the building platform
- Parallel to the building platform
- Perpendicular to the building platform
- All of these

No, the answer is incorrect.

Score: 0

Accepted Answers:

Perpendicular to the building platform

8) The sharp edges for fillets and knife edges should not be less than _____ for sintering processes.

1 point

- 0.06 mm
- 0.6 mm
- 0.08 mm
- 0.8 mm

No, the answer is incorrect.

Score: 0

Accepted Answers:

0.8 mm

9) For sintering process, the recommended minimum wall thickness of the part is;

1 point

- 2 mm
- 1 mm
- 0.5 mm
- 0.3 mm



No, the answer is incorrect.

Score: 0

Accepted Answers:

1 mm

10) For Stereolithography process (SLA), the recommended minimum wall thickness of a part is;

1 point

- 0.508 mm
- 0.408 mm
- 0.308 mm
- 0.208 mm



No, the answer is incorrect.

Score: 0

Accepted Answers:

0.508 mm

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