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Courses » Manufacturing Guidelines for Product Design

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Unit 2 - Week 1

Register for Certification exam

Course outline

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Week 1

- Product Design : Basics
- Introduction of Manufacturing Processes
- Manufacturing Processes : Advantages and Limitations-I
- Manufacturing Processes : Advantages and Limitations-II
- Process Capabilities : Basics
- Quiz : Assignment 1
- Solution for Assignment-1

Week 2

Week 3

Week 4

Assignment 1

The due date for submitting this assignment has passed.

As per our records you have not submitted this assignment. **Due on 2019-03-13, 23:59 IST.**

1) Product development process not involves which type of decision: **1 point**

- Platform decision
- Concept decision
- Decomposition decision
- Non-programmed decision

No, the answer is incorrect.
Score: 0

Accepted Answers:
Non-programmed decision

2) According to their nature, all the manufacturing processes can be put together into basic _____ categories. **1 point**

- Two
- Three
- Four
- Six

No, the answer is incorrect.
Score: 0

Accepted Answers:
Six

3) Surface finish range achieved in injection molding can be in the range of: **1 point**

- 8 – 25 μin
- 10 – 15 μin

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4) Surface finish range achieved in blow molding can be in the range of ;

1 point

- 350 - 500 μin
- 250 - 500 μin
- 150 - 500 μin
- 125 - 500 μin

No, the answer is incorrect.**Score: 0****Accepted Answers:***250 - 500 μin*

5) Materials generally used in die casting process are;

1 point

- Aluminium
- Zinc
- Both (a) and (b)
- None of these

No, the answer is incorrect.**Score: 0****Accepted Answers:***Both (a) and (b)*

6) Hot forging _____ the difficulty of performing other machining operations on the part.

1 point

- Increases
- Decreases
- Initially increases then decreases
- Initially decreases then increases

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

7) Small-to-medium sized plastic parts with intricate details and good surface finish can be produced by:

1 point

- Sand casting
- Injection molding
- Blow molding
- All of above

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

8) Hollow, well rounded, thin walled parts with high degree of symmetry can be produced in:

1 point

- Sand casting
- Die casting
- Injection molding
- Blow molding

No, the answer is incorrect.

Score: 0

Accepted Answers:

Blow molding

9) Large parts with walls and internal passages of complex geometry requiring good vibration **1 point** damping characteristics can be produced by:

- Sand casting
- Die casting
- Injection molding
- Blow molding



No, the answer is incorrect.

Score: 0

Accepted Answers:

Sand casting

10) Surface finish achieved in case of sand casting is of the order of;

1 point

- 350 - 500 μin
- 500 - 1000 μin
- 800 - 2000 μin
- 1200 - 2000 μin

No, the answer is incorrect.

Score: 0

Accepted Answers:

500 - 1000 μin

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