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Courses » Manufacturing Guidelines for Product Design

Announcements **Course** Ask a Question Progress FAQ

Unit 5 - Week 4

Register for Certification exam

Course outline

How to access the portal

Week 1

Week 2

Week 3

Week 4

- Selection of processes - I
- Selection of processes - II
- Process Capabilities
- Design Guidelines for Sand Casting
- Design Guidelines for Die Casting
- Quiz : Assignment 4
- Solution for Assignment-4

Week 5

Week 6

Assignment 4

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) **1 point**

-
-
-

No, the answer is incorrect.

Score: 0

Accepted Answers:

2) For die casting, radii and fillet should be _____ the wall thickness for both inside and outside radii. **1 point**

- 3.5 times
- 2.5 times
- 1.5 times
- 0.5 times

No, the answer is incorrect.

Score: 0

Accepted Answers:

1.5 times

3) For designing a die, a shrink factor of _____ is provided for both the contraction and expansion of the die. **1 point**

- 0.4%
- 0.6%
- 0.7%
- 0.8%

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- 7-20 mm
- 5-15 mm
- 4-22 mm
- 3-25 mm

No, the answer is incorrect.

Score: 0

Accepted Answers:

3-25 mm

5) In sand casting, patternmaker's shrinkage allowance usually range from,

1 point

- 10-20 mm/m
- 15-20 mm/m
- 20-25 mm/m
- 25-30 mm/m

No, the answer is incorrect.

Score: 0

Accepted Answers:

10-20 mm/m

6) For plastic processing, minimum internal radii for corners must be:

1 point

- 2.5 mm
- 2.0 mm
- 1.5 mm
- 1.0 mm

No, the answer is incorrect.

Score: 0

Accepted Answers:

1.0 mm

7) Surface finish achieved in case of reaming is of the order of;

1 point

- 223 μin
- 113 μin
- 93 μin
- 63 μin

No, the answer is incorrect.

Score: 0

Accepted Answers:

63 μin

8) For polymer casting, economic batch size is in the range of;

1 point

-
-
-
-

No, the answer is incorrect.

Score: 0

Accepted Answers:

9) Special techniques such as electroforming, plasma spraying allow manufacturing of:

1 point

- Slender shapes
- Hollow shapes
- Solid shapes
- Dished shapes

No, the answer is incorrect.

Score: 0

Accepted Answers:

Slender shapes



10) Which one of the following is NOT a type of a selection charts?

1 point

- Process-shape matrix
- Process-size matrix
- Process-material matrix
- Process- dimensional tolerance bar chart

No, the answer is incorrect.

Score: 0

Accepted Answers:

Process-size matrix



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