

Unit 2 - Week 0

Course outline

How does an NPTEL online course work?

Week 0

Quiz : Assignment 0

Week 1 - Basics of Manufacturing Processes

Week 2 - Introduction to casting process

Week 3 - Gating Systems and Rate of solidification

Week 4 - Estimation of solidification time with different conditions and Riser design

Week 5 - Machining Processes

Week 6 - Cutting tool life estimation

Week 7 - Introduction to Micro-Systems Fabrication Technology

Week 8 - Abrasive water jet machining and Ultrasonic Machining

Week 9 - Introduction to Electrochemical Machining

Week 10 - Electro-discharge Machining Process

Week 11 - Laser Beam and Electron Beam Machining Processes

Week 12 - Metal Forming Processes

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Assignment 0

The due date for submitting this assignment has passed.
As per our records you have not submitted this assignment.

Due on 2020-01-27, 23:59 IST.

Assignment 0

1) Which of the following bond is the weakest among various bonds observed between the atoms/molecules? 1 point

- Metallic bond
- Covalent bond
- Ionic bond
- Hydrogen bond

No, the answer is incorrect.
Score: 0

Accepted Answers:
Hydrogen bond

2) Which of the following statement is not correct with respect to a tension test? 1 point

- True stress is larger than the engineering stress.
- True strain is lesser than the engineering strain.
- The tension test causes axial extension in the specimen.
- The difference between true and engineering stress/strain reduces in the plastic deformation state.

No, the answer is incorrect.
Score: 0

Accepted Answers:
The difference between true and engineering stress/strain reduces in the plastic deformation state.

3) In casting, the sand in its most/natural state is termed as: 1 point

- Refractory sand
- Loose sand
- Green sand
- There is no specific term for it.

No, the answer is incorrect.
Score: 0

Accepted Answers:
Green sand

4) Which of the following processes produces the best surface finish? 1 point

- Turning
- Grinding
- Drilling
- Shaping

No, the answer is incorrect.
Score: 0

Accepted Answers:
Grinding

5) Which of the following metal working processes results in the addition of material (to the original material being processed) during processing? 1 point

- Welding
- Casting
- Machining
- Forming

No, the answer is incorrect.
Score: 0

Accepted Answers:
Welding

6) _____ is the slope of stress-strain curve in elastic-deformation region? 1 point

- Poisson's ratio
- Elastic modulus
- Plastic modulus
- Yield strength

No, the answer is incorrect.
Score: 0

Accepted Answers:
Elastic modulus

7) Working temperature in cold working is below _____? 1 point

- Transition temperature
- Critical temperature
- Recrystallization temperature
- Melting temperature

No, the answer is incorrect.
Score: 0

Accepted Answers:
Recrystallization temperature