

Mechanical Engineering

1. Which of the following factor is not considered while selecting a kind of pattern?
 - a) Quantity of casting
 - b) Types of moulding method
 - c) Shape of the casting
 - d) Nature of moulding process
2. Up to what size can wires can be drawn by wire drawing process?
 - a) 0.01mm
 - b) 0.02mm
 - c) 0.03mm
 - d) 0.04mm
3. Very _____ holes with a _____ aspect ratio can be produced using Laser beam machining.
 - a) Small, small
 - b) Small, large
 - c) Large, small
 - d) Large, large
4. In which of the following materials, ultrasonic testing cannot be used?
 - a) Plastics
 - b) Ceramics
 - c) Non-ferrous objects
 - d) Ferrous object
5. Which of the following process is done above the recrystallization temperature?
 - a) Hot forging
 - b) Cold forging
 - c) Impact forging
 - d) Gradual pressure forging
6. Which instrument is attached at the top of cupola?
 - a) Air blast
 - b) Coke bed
 - c) Wind box
 - d) Spark arrester

7. Which of the following non destructive testing is used to detect change in composition of any material?
- a) Liquid penetration test
 - b) Ultrasonic test
 - c) Eddy current test
 - d) Radiography
8. Process of enlarging the hole size and enhancing its surface finish is known as
- a) Drilling
 - b) Reaming
 - c) Boring
 - d) Counter boring
9. Number of particles in one unit cell of HCP lattice is:
- a) 1
 - b) 2
 - c) 4
 - d) 6
10. Self centered chuck has ____ number of jaws.
- a) 10
 - b) 1
 - c) 2
 - d) 3