

## Mechanical Metallurgy MCQ Questions and Answers Pdf

1. \_\_\_\_\_ does not affect the extrusion force in the extrusion process.
  - a. Deformation speed
  - b. Extrusion ratio
  - c. Material of orifice of die
  - d. Working temperatureAns: C
2. \_\_\_\_\_ is used to determine the yield strength of a material.
  - a. Compression
  - b. Tension
  - c. Fatigue
  - d. HardnessAns: B
3. \_\_\_\_\_ of materials is found by the cupping test.
  - a. Compression strength
  - b. Tensile strength
  - c. Ductility
  - d. HardnessAns: C
4. \_\_\_\_\_ rolls are used in two high reversing mill.
  - a. Four horizontal
  - b. Two vertical
  - c. Two horizontal
  - d. Four verticalAns: C
5. In which of the following metal forming technology, the metal flow is at right angle to the direction of compressive force?
  - a. Shearing
  - b. Forging
  - c. Cupping
  - d. ExtrusionAns: B
6. Cold working of steel does not increase its
  - a. Recrystallisation temperature
  - b. Hardness and strength
  - c. Ductility and corrosion resistance
  - d. ElasticityAns: C
7. In rolling, when a material is severely deformed in a particular direction, it becomes
  - a. Ductile

- b. Anisotropic
- c. Isotropic
- d. Homogenous

Ans: B

8. Which of the following is not a forging operation?

- a. Extrusion
- b. Fullering
- c. Edging
- d. Swaging

Ans: A

9. A cylindrical vessel with flat bottom can be deep drawn by

- a. Single action deep drawing
- b. Triple action deep drawing
- c. Shallow drawing
- d. Double action deep drawing

Ans: D

10. Beyond elastic limit, until the point of maximum stress, the tensile test metal specimen uniformly.

- a. Increases in strength
- b. Decreases in cross sectional area
- c. Both a and b
- d. Neither a nor b

Ans; C

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