

## Mechanical Metallurgy Objective Questions and Answers Pdf

### Question: 1

A material used for extrusion purpose must possess the following mechanical property.

- (A) Brittleness
- (B) Elasticity
- (C) Ductility
- (D) Plasticity

Ans: D

Plasticity

### Question: 2

\_\_\_\_\_ base alloys is susceptible for magnetic particle method of testing.

- (A) Nickel
- (B) Copper
- (C) Aluminium
- (D) Magnesium

Ans: A

Nickel

### Question: 3

Which fuel gas is commonly used for hot machine scarfing of slabs?

- (A) Acetylene gas
- (B) Blast furnace gas

(C) Coke oven gas

(D) None of these

Ans: C

Coke oven gas

**Question: 4**

\_\_\_\_\_ is not suitable for impact load.

(A) Cast iron

(B) Chrome steel

(C) High carbon steel

(D) Mild steel

Ans: A

Cast iron

**Question: 5**

Work hardening of metals

(A) Increases ductility

(B) Decreases ductility

(C) Decreases tensile strength

(D) Does not affect ductility

Ans: A

Increases ductility

**Question: 6**

Hooke's law

- (A) Applies beyond limit of proportionality in stress strain curve
- (B) Applies to the elastic deformation
- (C) States that stress is inversely proportional to strain up to elastic limit
- (D) All a, b and c

Ans: B

Applies to the elastic deformation

**Question: 7**

Heating ratio of ingot is defined as the ratio of

- (A) Soaking time to heating time
- (B) Track time to heating time
- (C) Heating time to soaking time
- (D) Heating time to track time

Ans: D

Heating time to track time

**Question: 8**

Recrystallisation of which of the following metals, can occur even at room temperature?

- (A) Zinc
- (B) Iron
- (C) Copper
- (D) Nickel

Ans: A

Zinc

Question: 9

\_\_\_\_\_ is an operation of forging.

(A) Stretch forming

(B) Thread rolling

(C) Swaging

(D) Plug rolling

Ans: C

Swaging

Question: 10

Which of the following has the least Young's modulus?

(A) Steel

(B) Copper

(C) Aluminium

(D) Iron

Ans: C

Aluminium

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