

## Metallurgical Engineering MCQ Questions and Answers Pdf

1. Which is the only metal that exists in liquid state at room temperature?

- a. Sodium
- b. Mercury
- c. Lithium
- d. Strontium

Ans: B

2. Which of the following materials has the poorest electrical conductivity?

- a. Carbon
- b. Aluminium
- c. Silver
- d. Stainless steel

Ans: A

3. The most notable precipitation hardenable alloys are those in which the base metal is

- a. Nickel
- b. Magnesium
- c. Copper
- d. Manganese

Ans: B

4. Which of the following materials does not form adherent oxide film on surface?

- a. Copper
- b. Nickel
- c. Aluminium
- d. Gold and silver

Ans: D

5. Transverse cracking occurs due to the presence of

- a. nitrogen
- b. phosphorous
- c. Silicon
- d. Sulphur

Ans: D

6. Iron is

- a. Paramagnetic
- b. Ferromagnetic
- c. Ferroelectric
- d. Dielectric

Ans: B

7. Which of the following materials has the highest thermal coefficient of expansion?

- a. Aluminium
- b. Brass

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- c. Nylon
- d. Fused silica

Ans: C

8. Which of the following types of materials has the highest modulus of elasticity?

- a. Metals
- b. Polymers
- c. Semi conductors
- d. Ceramics

Ans: D

9. Curie-Weiss law is obeyed by

- a. Paramagnetic materials
- b. Ferromagnetic materials above Curie temperature
- c. Antiferromagnetic materials
- d. Ferromagnetic materials below Curie temperature

Ans: B

10. Which of the following has the highest thermal diffusivity?

- a. Wood
- b. Iron
- c. Lead
- d. Concrete

Ans: C

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