

Duration: 30 Mins

Total Marks: 20

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1. Which one of the following properties is the mechanical properties of metal?

- A) Structure
- B) Corrosion
- C) Ductility
- D) Fusibility

Answer: C) Ductility

2. Which metal contains iron as a major content?

- A) Ferrous metal
- B) Bronze metal
- C) Zinc
- D) Brass metal

Answer: A) Ferrous metal

3. Which property of metal has its power of returning to its original shape after the applied force is released?

- A) Malleability
- B) Plasticity
- C) Elasticity
- D) Tenacity

Answer: C) Elasticity

4. What is the carbon percentage in high carbon steel?

- A) 0.50% to 1.50%
- B) 0.25% to 0.50%
- C) 0.02% to 0.03%
- D) 0.15% to 0.25%

Answer: A) 0.50% to 1.50%

5. What is the name of the metal which do not contain iron?

- A) Insulating metals
- B) Non-Insulating metals
- C) Non-ferrous metals
- D) Ferrous metals

Answer: C) Non-ferrous metals

6. Which property of a metal possessed by it melts when heat is applied?

- A) Malleability
- B) Fusibility
- C) Tenacity
- D) Conductivity

Answer: B) Fusibility

7. Which furnace is used to get pig iron from iron ore?

- A) Cupola
- B) Blast furnace
- C) Mild steel - Rever battery
- D) Electric furnace

Answer: B) Blast furnace

8. Which property of material enables to formation of permanent deformation without fracture?

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

Answer: D) Plasticity

9. What metals contained in brass alloy?

- A) Copper and tin
- B) Copper and lead
- C) Copper and aluminium
- D) Copper and zinc

Answer: D) Copper and zinc

10. What is the name of furnace to obtained cast iron?

- A) Steel - Rever battery
- B) Alloy metal - Electric furnace
- C) Mild steel - Blast furnace
- D) Cupola

Answer: D) Cupola

11. What is the carbon percentage in medium carbon steel?

- A) 0.5% to 1.5%
- B) 0.05% to 0.15%
- C) 0.25% to 0.5%
- D) 0.15% to 0.25%

Answer: C) 0.25% to 0.5%

12. Which mechanical property of a metal offers resistance to elastic deformation in a cutting tool?

- A) Toughness
- B) Ductility
- C) Malleability
- D) Hardness

Answer: D) Hardness

13. Which cast iron cannot be welded?

- A) White cast iron
- B) Nodular cast iron
- C) Malleable cast iron
- D) Grey cast iron

Answer: A) White cast iron

14. Which metal is widely used for making casting of machinery parts?

- A) White cast iron
- B) Wrought iron
- C) Malleable cast iron
- D) Grey cast iron

Answer: D) Grey cast iron

15. Which metal cannot be forged?

- A) Steel
- B) Cast iron
- C) Alloy steel
- D) Mild steel

Answer: B) Cast iron

16. Which is brittle metal?

- A) Alloy steel
- B) Cast iron
- C) Steel
- D) Mild steel

Answer: B) Cast iron

17. Which one is non-metal?

- A) Graphite B) Mercury
C) Iron D) Brass

Answer: A) Graphite

18. What is the other name of low carbon steel?

- A) High alloy steel B) High speed steel
C) Low alloy steel D) Mild steel

Answer: D) Mild steel

19. Which alloy used in electric lamp as filament?

- A) Tungsten B) Vanadium
C) Silicon D) Cobalt

Answer: A) Tungsten

20. What is the carbon percentage in low carbon steel?

- A) 0.25% to 0.50% B) 0.15% to 0.25%
C) 0.02% to 0.03% D) 0.50% to 1.50%

Answer: B) 0.15% to 0.25%
