

Duration: 30 Mins

Total Marks: 30

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

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

Answer: A) Mild steel

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

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

Answer: D) 0.25% to 0.5%

3. Which steel is used for making files and cold chisel?

- A) High carbon steel B) Low carbon steel
C) Medium carbon steel D) Stainless steel

Answer: A) High carbon steel

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

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

Answer: A) Hardness

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

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

Answer: A) Blast furnace

6. Which alloy steel is used to make permanent magnets?

- A) Cobalt steel B) Vanadium steel
C) Silicon steel D) Manganese steel

Answer: A) Cobalt steel

7. Which alloy steel is using for making precious instrument?

- A) Invar steel B) Manganese steel
C) Vanadium D) Silicon steel

Answer: A) Invar steel

8. Which alloy used in electric lamp as filament?

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

Answer: B) Tungsten

9. Which cast iron cannot be welded?

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

Answer: C) White cast iron

10. What metals contained in brass alloy?

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

Answer: C) Copper and zinc

11. What is the ore of aluminium?

- A) Mallatite B) Hematite
C) Bauxite D) Lemonite

Answer: C) Bauxite

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

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

Answer: C) Ductility

13. Which metal contains iron as a major content?

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

Answer: B) Ferrous metal

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

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

Answer: A) 0.15% to 0.25%

15. 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

16. What is the name of the property of an insulation that should brake down or puncture on application of high voltage?

- A) Non absorption B) Di-electric strength
C) Specific resistance D) Mechanical strenth

Answer: B) Di-electric strength

17. Which rubber is used as insulator for power cables and control wires?

- A) Silicon B) Butyl
C) Nitrite butadiene D) Hypalone

Answer: A) Silicon

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

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

Answer: B) Fusibility

19. Which is brittle metal?

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

Answer: A) Cast iron

20. Which insulating material is used for making switches?

- A) PVC
- B) Bakelite
- C) Porcelain
- D) Ebonite

Answer: B) Bakelite

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

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

Answer: A) Plasticity

22. Which metal cannot be forged?

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

Answer: B) Cast iron

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

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

Answer: C) Grey cast iron

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

A) 0.15% to 0.25%

B) 0.50% to 1.50%

C) 0.02% to 0.03%

D) 0.25% to 0.50%

Answer: B) 0.50% to 1.50%

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

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

Answer: A) Non-ferrous metals

26. Which one is non-metal?

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

Answer: D) Graphite

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

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

Answer: D) Elasticity

28. Which property of a metal enables it by which it can be drawn out into wires under tension without rupture?

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

Answer: B) Ductility

29. Which among the following is an insulator?

- A) Silver
- B) Mica
- C) Aluminium
- D) Copper

Answer: B) Mica

30. Which insulator is used in over head lines?

- A) P.V.C
- B) Porcelain
- C) Rubber
- D) Mica

Answer: B) Porcelain