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Score: 19/25 (76.00%)

Code: 0449

1. Which metal contains iron as a major content?

- A) Brass metal
B) Bronze metal
C) Zinc
D) **Ferrous metal (Correct)**

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

- A) Ferrous metals
B) **Non-ferrous metals (Correct)**
C) Insulating metals
D) Non-Insulating metals

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

- A) Fusibility
B) **Ductility (Correct)**
C) Corrosion
D) Structure

4. Which is brittle metal?

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

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

- A) Ductility
B) Malleability
C) **Hardness (Correct)**
D) Toughness

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

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

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

- A) Malleability
B) Tenacity
C) **Elasticity (Correct)**
D) Plasticity

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

- A) Conductivity
B) Malleability
C) **Fusibility (Correct)**
D) Tenacity

9. Which alloy used in electric lamp as filament?

- A) Cobalt
B) Vanadium
C) **Tungsten (Correct)**
D) Silicon

10. What metals contained in brass alloy?

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

11. Which cast iron cannot be welded?

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

12. Which metal cannot be forged?

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

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

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

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

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

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

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

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

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

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

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

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

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

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

- A) 0.02% to 0.03%
B) 0.15% to 0.25%

C) 0.25% to 0.50%

**D) 0.50% to 1.50%
(Correct)**

20. What is the ore of aluminium?

A) Hematite

B) Magnetite

C) Bauxite (Correct)

D) Limonite

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

A) Ductility (Correct)

B) Malleability

C) Hardness

D) Brittleness

22. Which among the following is an insulator?

A) Copper

B) Aluminium

C) Silver

D) Mica (Correct)

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

A) Silicon steel

B) Manganese steel

C) Vanadium steel

D) Cobalt steel (Correct)

24. Which insulator is used in over head lines?

A) Mica

B) Rubber

C) P.V.C

D) Porcelain (Correct)

25. Which insulating material is used for making switches?

A) Porcelain

B) PVC (Incorrect)

C) Bakelite

D) Ebonite