

Student: Nishanth

Score: 11/20 (55.00%)

Code: 0145

1. Which one is non-metal?

- A) Mercury
C) Brass
B) **Graphite (Correct)**
D) Iron

2. Which metal contains iron as a major content?

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

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

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

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

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

5. Which is brittle metal?

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

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

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

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

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

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

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

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

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

10. Which alloy used in electric lamp as filament?

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

11. What metals contained in brass alloy?

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

12. Which cast iron cannot be welded?

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

13. Which metal cannot be forged?

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

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

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

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

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

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

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

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

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

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

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

19. What is the carbon percentage in low 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% (Incorrect)

A) 0.02% to 0.03%

B) 0.15% to 0.25%

C) 0.25% to 0.50% (Incorrect) **D) 0.50% to 1.50%**

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