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Score: 10/20 (50.00%)

Code: 7002

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
B) Bronze metal
D) Ferrous metal (Correct)

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
C) Corrosion (Incorrect)
B) Ductility
D) Structure

5. Which is brittle metal?

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

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

- A) Ductility (Incorrect)
C) Hardness
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
C) Elasticity
B) Tenacity (Incorrect)
D) Plasticity

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

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

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 (Incorrect)
B) White cast iron
D) Wrought iron

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%

C) 0.25% to 0.50%

B) 0.15% to 0.25%

D) 0.50% to 1.50% (Incorrect)

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

A) 0.02% to 0.03%

C) 0.25% to 0.50%

B) 0.15% to 0.25% (Incorrect)

D) 0.50% to 1.50%