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**Score: 6/20 (30.00%)**

**Code: 5456**

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**  
C) Mild steel  
B) Steel (Incorrect)  
D) Alloy steel

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

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

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**  
B) Vanadium (Incorrect)  
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**  
D) Nodular cast iron (Incorrect)

13. Which metal cannot be forged?

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

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

- A) Grey cast iron**  
C) Malleable cast iron  
B) White cast iron (Incorrect)  
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**  
C) Steel - Rever battery  
B) Mild steel - Blast furnace (Incorrect)  
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%**  
**(Correct)**

C) 0.25% to 0.50%

D) 0.50% to 1.50%

**20.** 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% (Incorrect) **D) 0.50% to 1.50%**