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Score: 20/25 (80.00%)

Code: 0521

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 (Incorrect)  
C) **Elasticity**  
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  
C) **Copper and zinc (Correct)**  
D) Copper and tin
11. Which cast iron cannot be welded?  
A) Grey cast iron  
B) **White cast iron**  
C) Malleable cast iron  
D) Nodular cast iron (Incorrect)
12. Which metal cannot be forged?  
A) Alloy steel  
B) Mild steel  
C) Steel  
D) **Cast iron (Correct)**
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  
C) **Blast furnace (Correct)**  
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  
D) **Mild steel (Correct)**
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% (Incorrect)  
B) 0.15% to 0.25%  
C) 0.25% to 0.50%  
D) **0.50% to 1.50%**

20. What is the ore of aluminium?

- A) Hematite                      B) Mallatite  
**C) Bauxite (Correct)**            D) Lemonite
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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
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22. Which among the following is an insulator?

- A) Copper                        B) Aluminium  
C) Silver (Incorrect)            **D) Mica**
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23. Which alloy steel is used to make permanent magnets?

- A) Silicon steel                      B) Manganese steel  
C) Vanadium steel                    **D) Cobalt steel (Correct)**
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24. Which insulator is used in over head lines?

- A) Mica                                B) Rubber  
C) P.V.C                                **D) Porcelain (Correct)**
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25. Which insulating material is used for making switches?

- A) Porcelain                        B) PVC  
**C) Bakelite (Correct)**            D) Ebonite
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