

Student Name: _____	Roll No: _____
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1. Which alloy used in electric lamp as filament?

- | | |
|-------------|-------------|
| A) Tungsten | B) Cobalt |
| C) Silicon | D) Vanadium |

- | | |
|--------------------|-------------------|
| A) Manganese steel | B) Silicon steel |
| C) Cobalt steel | D) Vanadium steel |

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

- | | |
|---------------------|---------------------|
| A) High speed steel | B) High alloy steel |
| C) Low alloy steel | D) Mild steel |

11. Which one is non-metal?

- | | |
|------------|-------------|
| A) Mercury | B) Graphite |
| C) Brass | D) Iron |

3. Which alloy steel is using for making precious instrument?

- | | |
|----------------|--------------------|
| A) Invar steel | B) Silicon steel |
| C) Vanadium | D) Manganese steel |

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

- | | |
|-----------------|----------------|
| A) Ductility | B) Hardness |
| C) Malleability | D) Brittleness |

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

- | | |
|------------------------|--------------------|
| A) Malleable cast iron | B) White cast iron |
| C) Grey cast iron | D) Wrought iron |

13. Which insulator is used in over head lines?

- | | |
|--------------|----------|
| A) Porcelain | B) Mica |
| C) Rubber | D) P.V.C |

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

- | | |
|-------------------|-------------------|
| A) 0.25% to 0.50% | B) 0.02% to 0.03% |
| C) 0.15% to 0.25% | D) 0.50% to 1.50% |

14. Which metal contains iron as a major content?

- | | |
|------------------|-----------------|
| A) Zinc | B) Bronze metal |
| C) Ferrous metal | D) Brass metal |

6. Which cast iron cannot be welded?

- | | |
|----------------------|------------------------|
| A) White cast iron | B) Grey cast iron |
| C) Nodular cast iron | D) Malleable cast iron |

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

- | | |
|-----------------|---------------|
| A) Elasticity | B) Tenacity |
| C) Malleability | D) Plasticity |

7. What is the ore of aluminium?

- | | |
|--------------|-------------|
| A) Hematite | B) Lemonite |
| C) Mallatite | D) Bauxite |

16. Which metal cannot be forged?

- | | |
|----------------|--------------|
| A) Mild steel | B) Steel |
| C) Alloy steel | D) Cast iron |

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

- | | |
|--------------|-----------------|
| A) Hardness | B) Malleability |
| C) Toughness | D) Ductility |

17. Which steel is used for making files and cold chisel?

- | | |
|------------------------|----------------------|
| A) Low carbon steel | B) High carbon steel |
| C) Midium carbon steel | D) Stainless steel |

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

- | | |
|---------------|--------------|
| A) Structure | B) Corrosion |
| C) Fusibility | D) Ductility |

18. Which rubber is used as insulator for power cables and control wires?

- | | |
|----------------------|-------------|
| A) Silicon | B) Butyl |
| C) Nitrite butadiene | D) Hypalone |

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

- | | |
|-------------------|-------------------|
| A) 0.50% to 1.50% | B) 0.15% to 0.25% |
| C) 0.02% to 0.03% | D) 0.25% to 0.50% |

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

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

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

- A) Non-Insulating metals
- B) Non-ferrous metals
- C) Ferrous metals
- D) Insulating metals

22. Which is brittle metal?

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

23. Which insulating material is used for making switches?

- A) Porcelain
- B) PVC
- C) Ebonite
- D) Bakelite

24. What metals contained in brass alloy?

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

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

- A) Tenacity
- B) Conductivity

C) Malleability

D) Fusibility

26. What is the name of the property of an insulation that should brake down or puncture on application of high voltage?

- A) Specific resistance
- B) Di-electric strength
- C) Non absorption
- D) Mechanical strenth

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

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

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

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

29. Which among the following is an insulator?

- A) Silver
- B) Aluminium
- C) Mica
- D) Copper

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

- A) Elasticity
- B) Plasticity
- C) Ductility
- D) Brittleness