

## 09:07 AM

Dr. J. J. Magdum ITI college  
sambhajipur

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Question Paper

Duration: 100 Mins

Total Marks: 30

ID: ITISKILL77395W

Student Name: \_\_\_\_\_ Roll No: \_\_\_\_\_

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

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

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

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

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

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

4. What is the ore of aluminium?

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

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

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

6. Which cast iron cannot be welded?

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

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

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

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

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

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

- A) Insulating metals  
B) Ferrous metals

- C) Non-Insulating metals  
D) Non-ferrous metals

10. Which alloy used in electric lamp as filament?

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

11. Which is brittle metal?

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

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

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

13. Which metal cannot be forged?

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

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

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

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

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

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

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

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

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

18. 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
- D) Plasticity

- A) Silver
- C) Mica

- B) Aluminium
- D) Copper

19. Which metal contains iron as a major content?

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

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

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

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

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

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

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

23. Which insulator is used in over head lines?

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

24. Which among the following is an insulator?

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

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

26. Which insulating material is used for making switches?

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

27. What metals contained in brass alloy?

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

28. Which one is non-metal?

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

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

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

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

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