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Question Paper

Duration: 120 Mins

Total Marks: 30

ID: ITISKILL6482HA

Student Name: _____ Roll No: _____

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

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

2. Which alloy used in electric lamp as filament?

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

3. Which among the following is an insulator?

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

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

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

5. 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

6. Which metal cannot be forged?

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

7. Which one is non-metal?

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

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

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

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

- A) Brittleness B) Plasticity

C) Elasticity D) Ductility

10. What metals contained in brass alloy?

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

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

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

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

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

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

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

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

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

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

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

16. What is the ore of aluminium?

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

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

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

18. Which cast iron cannot be welded?

- A) White cast iron
- C) Grey cast iron

- B) Malleable cast iron
- D) Nodular cast iron

- A) Structure
- C) Ductility

- B) Corrosion
- D) Fusibility

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

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

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

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

21. Which is brittle metal?

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

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

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

23. Which insulating material is used for making switches?

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

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

25. Which insulator is used in over head lines?

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

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

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

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

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

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

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

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

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

30. Which metal contains iron as a major content?

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