

3.Material Sceince

Q. ID: ITISKILL8160UU

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Answer Key

Duration: 30 Mins

Total Marks: 30

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

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

Answer: C) 0.25% to 0.5%

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

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

Answer: D) Mild steel

3. Which one is non-metal?

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

Answer: C) Graphite

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

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

Answer: A) Non-ferrous metals

5. What metals contained in brass alloy?

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

Answer: D) Copper and zinc

6. Which among the following is an insulator?

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

Answer: A) Mica

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

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

Answer: B) Cobalt steel

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

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

Answer: C) Cupola

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

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

Answer: B) High carbon steel

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

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

Answer: A) Ductility

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

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

Answer: A) Elasticity

12. Which insulator is used in over head lines?

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

Answer: B) Porcelain

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

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

Answer: B) Grey cast iron

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

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

Answer: D) Ductility

15. What is the ore of aluminium?

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

Answer: A) Bauxite

16. 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) Non absorption D) Specific resistance

Answer: A) Di-electric strength

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

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

Answer: D) Fusibility

18. Which insulating material is used for making switches?

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

Answer: A) Bakelite

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

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

Answer: B) Invar steel

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

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

Answer: B) Blast furnace

21. Which alloy used in electric lamp as filament?

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

Answer: C) Tungsten

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

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

Answer: B) Silicon

23. Which metal cannot be forged?

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

Answer: C) Cast iron

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

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

Answer: D) 0.50% to 1.50%

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

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

Answer: A) Hardness

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

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

Answer: A) 0.15% to 0.25%

27. Which cast iron cannot be welded?

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

Answer: A) White cast iron

28. Which is brittle metal?

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

Answer: B) Cast iron

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

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

Answer: D) Plasticity

30. Which metal contains iron as a major content?

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

Answer: A) Ferrous metal