

ITI Quiz - 12-Feb-2026

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Q. ID: ITISKILL9606IY

February 2026

Answer Key

Duration: 30 Mins

Total Marks: 30

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1. Which insulating material is used for making switches?

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

Answer: A) Bakelite

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

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

Answer: D) Ductility

3. Which metal contains iron as a major content?

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

Answer: D) Ferrous metal

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

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

Answer: B) Blast furnace

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

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

Answer: B) 0.25% to 0.5%

6. 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) Specific resistance
- C) Mechanical strenth
- D) Non absorption

Answer: A) Di-electric strength

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

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

Answer: D) High carbon steel

8. Which one is non-metal?

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

Answer: C) Graphite

9. Which cast iron cannot be welded?

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

Answer: C) White cast iron

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

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

Answer: A) Ductility

11. What is the carbon percentage in low 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: C) 0.15% to 0.25%

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

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

Answer: A) Mild steel

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

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

Answer: D) Cobalt steel

14. Which is brittle metal?

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

Answer: A) Cast iron

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

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

Answer: C) Non-ferrous metals

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

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

Answer: C) Elasticity

17. Which metal is widely used for making casting of

machinery parts?

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

Answer: B) Grey cast iron

18. Which insulator is used in over head lines?

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

Answer: A) Porcelain

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

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

Answer: A) Fusibility

20. Which among the following is an insulator?

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

Answer: A) Mica

21. What is the ore of aluminium?

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

Answer: C) Bauxite

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

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

Answer: B) Plasticity

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

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

Answer: D) Invar steel

24. Which alloy used in electric lamp as filament?

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

Answer: D) Tungsten

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

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

Answer: D) Cupola

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

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

Answer: C) Hardness

27. What metals contained in brass alloy?

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

Answer: D) Copper and zinc

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

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

Answer: D) 0.50% to 1.50%

29. Which metal cannot be forged?

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

Answer: C) Cast iron

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

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

Answer: B) Silicon