

WORKSHOP CALCULATION - 07- Mar-2026 10:06 AM

February 2026

GOVT ITI PERDOOR

Answer Key

Duration: 20 Mins

Total Marks: 25

Q.ID: ITISKILL0865ER

1. What is the ore of aluminium?

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

Answer: D) Bauxite

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

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

Answer: A) Mild steel

3. What metals contained in brass alloy?

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

Answer: A) Copper and zinc

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

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

Answer: D) Fusibility

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

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

Answer: C) High carbon steel

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

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

Answer: C) Blast furnace

7. Which cast iron cannot be welded?

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

Answer: B) White cast iron

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

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

Answer: A) Cupola

9. Which alloy used in electric lamp as filament?

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

Answer: D) Tungsten

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

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

Answer: A) 0.25% to 0.5%

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

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

Answer: A) Grey cast iron

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

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

Answer: B) Elasticity

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

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

Answer: A) Non-ferrous metals

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

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

Answer: D) Cobalt steel

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

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

Answer: A) Ductility

16. Which among the following is an insulator?

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

Answer: C) Mica

17. Which metal contains iron as a major content?

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

Answer: A) Ferrous metal

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

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

Answer: A) 0.50% to 1.50%

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

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

Answer: C) Hardness

20. Which one is non-metal?

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

Answer: D) Graphite

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

- A) Brittleness B) Elasticity

C) Plasticity

D) Ductility

Answer: C) Plasticity

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

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

Answer: B) Ductility

23. Which is brittle metal?

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

Answer: C) Cast iron

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

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

Answer: A) Silicon

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

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

Answer: B) 0.15% to 0.25%
