

What is the unit of electric current?

- a) Volt
- b) Ohm
- c) Ampere
- d) Watt

Answer: c) Ampere

Which material is commonly used as an insulator?

- a) Copper
- b) Iron
- c) Aluminum
- d) PVC

Answer: d) PVC

Which tool is used to check the flatness of a surface?

- a) Try square
- b) Hammer
- c) File
- d) Hacksaw

Answer: a) Try square

What is the standard angle of a center punch point?

- a) 30°
- b) 45°
- c) 60°
- d) 90°

Answer: d) 90°

Which gas is used in gas welding along with oxygen?

- a) Nitrogen
- b) Argon
- c) Acetylene
- d) Hydrogen

Answer: c) Acetylene

The flame used for welding steel is:

- a) Carburizing flame
- b) Oxidizing flame
- c) Neutral flame
- d) Reducing flame

Answer: c) Neutral flame

The symbol "Ø" in engineering drawing stands for:

- a) Radius
- b) Diameter
- c) Length
- d) Depth

Answer: b) Diameter

Which instrument is used to measure small gaps or clearance?

- a) Vernier caliper
- b) Feeler gauge
- c) Depth gauge
- d) Micrometer

Answer: b) Feeler gauge

What is the square root of 144?

- a) 10
- b) 11
- c) 12
- d) 13

Answer: c) 12

If $3x + 2 = 11$, then $x = ?$

- a) 3
- b) 4
- c) 5
- d) 6

Answer: a) 3

Water boils at what temperature (at sea level)?

- a) 90°C
- b) 95°C
- c) 100°C
- d) 105°C

Answer: c) 100°C

Which gas is essential for respiration?

- a) Nitrogen
- b) Carbon dioxide
- c) Oxygen
- d) Hydrogen

Answer: c) Oxygen

Which instrument is used to measure current?

- A) Voltmeter
- B) Ammeter
- C) Ohmmeter
- D) Thermometer

Answer: B) Ammeter

Which metal is a good conductor of electricity?

- A) Iron
- B) Copper
- C) Wood
- D) Rubber

Answer: B) Copper

Which gear is used to transmit motion between intersecting shafts?

- A) Spur gear
- B) Helical gear
- C) Bevel gear
- D) Worm gear

Answer: C) Bevel gear

Which tool is used to check 90-degree angle?

- A) Divider
- B) Try square
- C) Punch
- D) Caliper

Answer: B) Try square

What is the unit of electric resistance?

- A) Ampere
- B) Volt
- C) Ohm
- D) Watt

Answer: C) Ohm

Which device converts AC to DC?

- A) Transformer
- B) Alternator
- C) Rectifier
- D) Generator

Answer: C) Rectifier

Which material is commonly used in fuses?

- A) Copper
- B) Silver
- C) Lead
- D) Tin-lead alloy

Answer: D) Tin-lead alloy

Which of the following is a non-ferrous metal?

- A) Iron
- B) Steel
- C) Aluminium
- D) Cast iron

Answer: C) Aluminium

In arc welding, the arc is produced between the electrode and ____:

- A) Welding rod
- B) Flux
- C) Base metal
- D) Shielding gas

Answer: C) Base metal

Which of the following is a file used for fine finishing?

- A) Bastard file
- B) Second cut file
- C) Smooth file
- D) Rasp file

Answer: C) Smooth file

Which gas is used in a welding process along with oxygen?

- A) Carbon dioxide
- B) Nitrogen
- C) Acetylene
- D) Hydrogen

Answer: C) Acetylene

Which planet is known as the Red Planet?

- A) Earth
- B) Mars
- C) Jupiter
- D) Venus

Answer: B) Mars

What is the full form of CPU?

- A) Central Processing Unit
- B) Computer Processing Unit
- C) Central Power Unit
- D) Control Processing Unit

Answer: A) Central Processing Unit

In a screw thread, the distance between two adjacent threads is called:

- A) Pitch
- B) Lead
- C) Flank
- D) Root

Answer: A) Pitch

One horsepower is equal to:

- A) 550 watts
- B) 746 watts
- C) 1000 watts
- D) 500 watts

Answer: B) 746 watts

Which tool is used to cut metal sheets?

- A) Chisel
- B) Hacksaw
- C) Snip
- D) File

Answer: C) Snip

What is the SI unit of power?

- A) Volt
- B) Newton
- C) Watt
- D) Joule

Answer: C) Watt

In arc welding, the temperature of the arc is approximately:

- A) 500°C
- B) 1500°C
- C) 3500°C
- D) 10,000°C

Answer: C) 3500°C

The function of a fuse in an electric circuit is to:

- A) Increase current
- B) Reduce voltage
- C) Protect the circuit from overcurrent
- D) Provide insulation

Answer: C) Protect the circuit from overcurrent

Which of the following is a ferrous metal?

- A) Copper
- B) Aluminium
- C) Iron
- D) Bronze

Answer: C) Iron

Which gas is commonly used in gas welding?

- A) Nitrogen
 - B) Oxygen
 - C) Acetylene
 - D) Carbon dioxide
- Answer: C) Acetylene**

What is the basic principle of a motor?

- A) Electromagnetic induction
- B) Ohm's law
- C) Thermal expansion
- D) Chemical reaction

Answer: A) Electromagnetic induction

