

Electricity and Circuits

Question 1.

From where is electricity supplied to our homes ?

- (a) Cell
- (b) Circuits
- (c) Candle
- (d) Power station

▼ [Answer](#)

(d) Power station

Electricity is supplied to our homes from a power station.

Question 2.

A device which supplies light without the use of electricity ?

- (a) Electric torch
- (b) Candle
- (c) Electric rod
- (d) Electric bell

▼ [Answer](#)

(a) Electric torch

Electric torch supplies light without the use of electricity.

Question 3.

What are the three sources of electricity other than power station ?

- (a) Torch
- (b) Generator
- (c) Inverter
- (d) All of these

▼ [Answer](#)

(d) All of these

Torch, inverter, generator are the sources of electricity other than Power station.

Question 4.

What supplies electricity to the torch bulb ?

- (a) Switch
- (b) Glass
- (c) Wire
- (d) Electric cells

▼ Answer

(d) Electric cells

Electric cells supplies electricity to the torch bulb.

Question 5.

Name a device which use electric cell as a source of electricity.

(a) T.V.

(b) Candle

(c) Camera

(d) All of above

▼ Answer

(c) Camera

Camera use electric cell as a source of electricity.

Question 6.

When two or more electricity cells are joined together in such a way that bulb lights up than it is called:

(a) Cell

(b) Current

(c) Circuit

(d) Battery

▼ Answer

(d) Battery

Two or more electric cell are joined together in such a way are called battery.

Question 7.

The bulb with broken filament is called a:

(a) Fused bulb

(b) Lighted bulb

(c) Both (a) and (b)

(d) None of these

▼ Answer

(a) Fused bulb

The bulb with broken filament is called a fused bulb.

Question 8.

Why a fused bulb does not glow?

(a) Because the circuit is not complete as its filament is broken

(b) Because the circuit is complete as its filament is broken

(e) Because we open up any joint in a closed circuit

(d) None of these

▼ [Answer](#)

(a) Because the circuit is not complete as its filament is broken
Because the circuit is not complete as its filament is broken.

Question 9.

..... is a device to test whether the given substance is a conductor or not.

- (a) Electric switch
- (b) Conductor tester
- (c) Fused bulb
- (d) None of these

▼ [Answer](#)

(b) Conductor tester
Conductor tester tests the given substance is a conductor or not.

Question 10.

What is earth wire?

- (a) Safety wire
- (b) Dangerous wire
- (c) Useful wire
- (d) Useless wire

▼ [Answer](#)

(a) Safety wire
Earth wire is a safety wire.

Question 11.

A path through which electricity can flow is:

- (a) Cell
- (b) Circuit
- (c) Switch
- (d) None of these

▼ [Answer](#)

(b) Circuit
Circuit is the path through which electricity can flow.

Question 12.

The circuits in which the bulb shines are:

- (a) Closed circuit
- (b) Circuit
- (c) Open circuit
- (d) None of above

▼ Answer

(a) Closed circuit
Closed circuits in which the bulb shines.

Question 13.

A circuit in which a joint is open known as an:

- (a) Closed circuit
- (b) Circuit
- (c) Open circuit
- (d) None of above

▼ Answer

(c) Open circuit
A circuit in which a joint is open is known as an open circuit.

Question 14.

Those objects which, when placed in the circuit, let the bulb glow are called:

- (a) Bad conductor
- (b) Circuit
- (c) Good conductor
- (d) Switch

▼ Answer

(c) Good conductor
The objects which when placed in the circuit, let the bulb glow are called good conductors.

Question 15.

..... is the form of energy.

- (a) Current
- (b) Switch
- (c) Cell
- (d) Electricity

▼ Answer

(d) Electricity
Electricity is form of energy.

Question 16.

..... is a source of electricity.

- (a) Electricity cell
- (b) Current
- (c) Switch
- (d) None of above

▼ Answer

(a) Electricity cell

Electric cell is a source of electricity.

Question 17.

A simple device that either breaks the circuit or completes it to stop or start the flow of current is:

(a) Cell

(b) Current

(c) Switch

(d) None of above

▼ Answer

(b) Current

A simple device that either breaks the circuit or completes it to stop or start the flow of current is switch.

Question 18.

The flow from the positive terminal of the electric cell to its negative terminal.

(a) Current

(b) Open current

(c) Close current

(d) Electric current

▼ Answer

(d) Electric current

The electric current flows from the positive terminal of the electric cell to its negative terminal.

Match the Column-A with Column-B:

Question 1.

Column-A	Column-B
(a) Lighting	(i) Bulb, Tubelight
(b) Sound	(ii) Stove, O.T.G.
(c) Heating	(iii) A.C., Fan
(d) Cooking	(iv) Heater, Geyser
(e) Cooping	(v) T.V., Radio

▼ Answer

Column-A	Column-B
(a) Lighting	(i) Bulb, Tubelight

(b) Sound	(v) T.V., Radio
(c) Heating	(iv) Heater, Geyser
(d) Cooking	(iii) A.C., Fan
(e) Cooping	(ii) Stove, O.T.G.

Question 2.

Column-A	Column-B
(a) Keys, coins	(i) Making switches
(b) Rubber, wood	(ii) Making wires
(c) Metal, graphite	(iii) Insulators
(d) Copper, aluminium	(iv) Conductors

▼ Answer

Column-A	Column-B
(a) Keys, coins	(iv) Conductors
(b) Rubber, wood	(iii) Insulators
(c) Metal, graphite	(i) Making switches
(d) Copper, aluminium	(ii) Making wires

Fill in the blanks:

Question 1.

A device is used to break on electric circuit is called

▼ Answer

switch

Question 2.

An electric cell has terminals.

▼ Answer

two

Question 3.

Switches, electrical plugs and sockets are made of

▼ Answer

conductors

Question 4.

Electricity is a form of

▼ [Answer](#)

energy

Question 5.

Electricity is supplied from a power station

▼ [Answer](#)

power station

State whether the statements are True or False:

Question 1.

Electric current can flow through metals.

▼ [Answer](#)

True

Question 2.

Instead of metal wires, a jute string can be used to make a circuit.

▼ [Answer](#)

False

Question 3.

Electric current Can pass through a sheet of thermocol.

▼ [Answer](#)

False

Question 4.

The substances through which electricity flows is called a conductor.

▼ [Answer](#)

True

Question 5.

Rubber and plastic are used for covering the electrical wires.

▼ [Answer](#)

True
