

## Physics Questions and Answers Pdf Free Download

Question: 1

What is the principle of transformer?

It is based on the principle of mutual induction.

Question: 2

Define watt?

If one joule work done is one second then power consumed is one watt.

Question: 3

What are electrochemical cells?

The cells in which the electrical energy is derived from the chemical action are called electrochemical cells.

Question: 4

State coulomb's law?

The magnitude of the electric force between two charges is directly proportional to the product of charges and inversely proportional to the square of the distance between them.

Question: 5

What is meant by electromagnetic induction?

The e.m.f. is generated in a conductor whenever there is a relative motion between the conductor and a magnetic field.

The e.m.f. produced in this way is called an induced emf and the phenomenon is known as electromagnetic induction.

Question: 6

What is the law of charges?

Like charges repel and unlike charges attract.

Question: 7

What are the devices used to shutoff the electrical circuit?

Fuses, circuit breakers and safety switches have been designed to shut off electric circuit.

Question: 8

Define the electrochemical equivalent of a substance?

The electrochemical equivalent of a substance may be defined as the mass of the substance deposited at the electrode, when one ampere of current is passed through the electrolyte for one second.

Question: 9

Name the devices due to the magnetic effects of current?

Electromagnet, microphone are the devices due to the magnetic effects of a current.

Question: 10

What is electric resistance?

$$R = V/I$$

Electric resistance is defined as the ratio of potential differences to the current. The unit of resistance is ohm.