

## ECAT Physics Chapter 12 Electrostatics Online Test

Sr	Questions	Answers Choice
1	The unit of resistance is	A. volt B. ampere C. ohm D. coat
2	Physicist George Simon ohm was a	A. German physical B. French physicist C. Chinese physicist D. Russian physicist
3	If we plot graph between potential difference (V) and current (I) obeying ohm's law, it will give us	A. parabola B. straight line C. hyper bola D. ellipse
4	What is the current is a $2 \times 10^6 \Omega$ resistor having a potential difference of $2 \times 10^3$ volts?	A. $10^{-1} A$ B. $10^{-2} A$ C. $10^{-4} A$ D. 1 mA
5	Resistor is a device which convert electric energy to	A. Heat energy B. Chemical energy C. Elastic energy D. All of the above
6	If one volt is needed to cause a current of one ampere to flow in a conductor, its resistance is	A. one ohm B. one joule C. one volt D. one ampere
7	Ohm's law states that	A. The current through a resistor is directly proportional to the applied voltage B. The voltage across a resistor is directly proportional to the current passing through it C. Resistance is the constant of proportionality between the voltage and current D. all of these
8	The electrode connected with the positive terminal of the current source is called	A. cathode B. anode C. electrolyte D. position
9	The material in the form of wire or rod or plate which leads the current into or out of the electrolyte is known as	A. voltmeters B. resistance C. electrode D. current
10	Ohm established a relation between	A. voltage and resistance B. voltage and charge C. voltage and current D. voltage resistance and charge
11	The ohm's is defined as	A. 1 ampere / 1 volts B. 1 coulomb / 1 volt C. 1 volt / 1 ampere D. 1 volt / 1 coulomb
12	The relation $V = IR$ represents	A. Ampere law B. Faraday's law C. Ohm's law D. Len's law
13	Ohm is the unit of	A. current B. capacitance C. energy D. resistance
14	The graphical representation of ohm's law is	A. hyperbola B. straight line C. ellipse D. parabola

U. parabola

15

The liquid which conduct current is known as

- A. heating effect
- B. chemical energy
- C. electrolyte
- D. ohm's law