

Physics ICS Part 2 Chapter 13 Online MCQ's Test

Sr	Questions	Answers Choice
1	The SI unit of resistivity is.	A. Ohm m-2 B. Ohm m-1 C. Ohm m D. Ohm
2	mho -m-1 is the unit of.	A. Resistance B. Resistivity C. Conductance D. Conductivity
3	The reciprocal of resistance is called.	A. Capacitance B. Resistance C. Conductance D. Inductance
4	The unit of temperature co efficient of resistivity is.	A. Ohm -m B. K-1 C. K D. Ohm
5	Specific resistance of a material depends upon.	A. Length B. Area C. Temperature D. Both A and B
6	When a wire of length 'l' and resistance R is cut into two equal parts then resistivity of each part.	A. is doubled B. Remains the same C. Is halved D. Is one fourth
7	The current through a resistance of 100 Ohm when connecting across a source of 220 V is.	A. 22000 A B. 22 A C. 2.2 A D. 0.45 A
8	The current flowing through each resistor of equal resistance in parallel combination is.	A. Same B. Different C. Zero D. Infinite
9	One ohm is equal to	A. VC-1 B. CV-1 C. AC-1 D. VA^{-1}
10	Two resistance of 2 Ohm each are connected in parallel combination equivalent resistance will be.	A. 4 Ohm B. 2 Ohm C. 1 Ohm D. 8 Ohm
11	For ohmic device the graph between V and I is.	A. A straight line B. Curve C. Hyperbola D. Parabola
12	Magnetic effect of current is used in.	A. Toaster B. Electric iron C. Electric motor D. D.C. Battery
13	The heat produced by the passage of current through a resistor is.	A. $H = I^2 R t$ B. $H = I R^2 t$ C. $H = 1/R t$ D. $H = I^2 / R t$
14	Heat generated by a 40 W bulb in one hour is.	A. 140 J B. 1440 J C. 14400 J D. 144000 J
15	5 A of current flows through a conductor in 2 minutes, charge in the wire is.	A. 500 C B. 600 C C. 400 C D. 10 C

16	By increasing the temperature of conductor, the flow rate of charges.	A. Increase B. Remains constant C. Decreases D. Changes exponentially
17	the current which flows from a point at higher. potential to point at lower potential is called.	A. Electric current B. Conventional current C. Either of these D. None of above