

Physics ICS Part 2 Chapter 13 Online MCQ's Test

Sr	Questions	Answers Choice
1	In gas the charge carriers are:	A. Electrons B. Ions C. Both a & b D. None of above
2	The Kirchoff 1 st rule is manifestation of:	A. Law of conservation of mass B. Law of Conservation of charge C. Law of conservation of energy D. None of above
3	A rheostat can operate as.	A. Amplifier B. Potential divider C. Oscillator D. Transformer
4	Heat sensitive resistors are called.	A. resistors B. Capacitor C. Thermistors D. Inductors
5	What is the resistance of carbon resistor which has band brown black brown.	A. 100 Ohm B. 1000 Ohm C. 10 Ohm D. 1.0 Ohm
6	A rheostat can be used as variable resistor as well as a-----	A. Potential divider B. Current divider C. Wheat stone bridge D. Power divider
7	A charged conductor has charge on its.	A. Inner surface B. Outer surface C. Middle surface D. Surrounding space
8	The algebraic sum of potential change in a closed circuit is zero.	A. Kirchoff's 1st rule B. Kirchoff 2 nd rule C. Kirchoff's 3 rd rule D. Kirchoff 4 th rule rule
9	During electrolysis process, density of CuSO ₄ solution	A. Remains constant B. Decreased C. Increased D. None of these
10	Electric power:	A. $V \times I$ B. $V^2 \times I$ C. V/I D. V/I^2
11	The SI unit of resistivity is.	A. Ohm m ⁻² B. Ohm m ⁻¹ C. Ohm m D. Ohm
12	Thermocouple is an arrangement of two different metals:	A. Two convert heat energy into electrical energy B. To produce more heat C. To convert heat energy into chemical energy D. To convert electrical energy into heat energy
13	Terminal potential difference is greater than emf of the cell when	A. Circuit is open B. Circuit is closed C. small battery is charged by bigger battery D. None of these
14	The heat produced by passage of current.	A. $H = I^2 R t$ B. $H = IR^2 T$ C. $H = I/Rt$ D. $H = I^2 R t$

15	The unit of temperature coefficient of resistivity is.	A. Ohm -m B. K-1 C. K D. Ohm
16	Specific resistance of a material depends upon.	A. Length B. Area C. Temperature D. Both A and B
17	Resistivity at a given temperature depends upon.	A. Area of cross section B. Length C. Nature of material of conductor D. Both length and area
18	Heat generated by a 40 W bulb in one hour is.	A. 140 J B. 1440 J C. 14400 J D. 144000 J
19	Three resistors of resistance R each are combined in various ways, Which of the following cannot be obtained?	A. 3 RΩ B. 2R /4Ω C. R/3Ω D. 2R /3Ω
20	The vessel containing the two electrodes and liquid is known as.	A. Chemical cell B. Volt cell C. Volta cell D. Volta meter