

Physics ICS Part 2 Chapter 13 Online MCQ's Test

Sr	Questions	Answers Choice
1	The Kirchhoff 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
2	The SI unit of resistivity is.	A. Ohm m-2 B. Ohm m-1 C. Ohm m D. Ohm
3	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
4	Ampere second stands for the unit of.	A. Charge B. emf C. energy D. Power
5	Heat energy is converted into electrical energy.	A. Solar cells B. thermocouples C. Electric generators D. None of above
6	The fraction change in resistance per Kelvin is known as:	A. Temperature coefficient of Resistance B. Coefficient of voltage of change C. Thermal expansion D. All of the above
7	A battery move a charge of 40 C around a circuit at constant rate in 20 Sec. The current will be.	A. 2 A B. 0.5 A C. 80 A D. 800 A
8	The current flowing through each resistor of equal resistance in parallel combination is.	A. Same B. Different C. Zero D. Infinite
9	Unit (S.I) of temperature coefficient of resistivity of a material is	A. K B. K^{-1} C. $^{\circ}C$ D. K^{-2}
10	Colour codes are used to calculate the.	A. Nature of resistor B. Numerical value of resistance C. Potential difference D. Current
11	The thermistors convert changes of temperature into.	A. Light energy B. Electric voltage C. Heat D. Sound
12	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
13	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
14	The reciprocal of resistance is called.	A. Capacitance B. Resistance C. Conductance D. Inductance
15	A rheostat can operate as.	A. Amplifier B. Potential divider C. Oscillator

16 The unit of resistance is:
A. Ω
B. Ωm
C. $\Omega^{sup>-1}$
D. $\Omega m^{sup>-1}$

17 The value of maximum output power is?
A. $E/4R$
B. $E^{sup>2}/4R$
C. $E/4R^{sup>2}$
D. Non of above

18 The algebraic sum of potential change in a closed circuit is zero.
A. Kirchhoff's 1st rule
B. Kirchhoff 2nd rule
C. Kirchhoff's 3rd rule
D. Kirchhoff 4th rule

19 The head produced by the passage of current through a resistor is.
A. $H = I^{sup>2}Rt$
B. $H = IR^{sup>2}$
C. $H = 1/Rt$
D. $H = I^{sup>2}/Rt$

20 The color code of "Green"
A. 8
B. 3
C. 5
D. 7
