

Physics ICS Part 2 Chapter 13 Online MCQ's Test

Sr	Questions	Answers Choice
1	Which one of the following bulbs has the least resistance.	A. 100 W B. 200 W C. 500 W D. 1000 W
2	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
3	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
4	An ideal current source shall have resistance	A. Zero B. Finite but not zero C. Infinite D. Depend upon requirement
5	Ampere second stands for the unit of.	A. Charge B. emf C. energy D. Power
6	The SI unit of resistivity is.	A. Ohm m ⁻² B. Ohm m ⁻¹ C. Ohm m D. Ohm
7	A charged conductor has charge on its.	A. Inner surface B. Outer surface C. Middle surface D. Surrounding space
8	The conventional current is due to the flow of	A. Atoms and molecules B. Positive charge C. Negative charge D. Bot (b) and (c)
9	The condition for the wheatstone bridge to be balanced is given by	D. None of above
10	The current flowing through each resistor of equal resistance in parallel combination is.	A. Same B. Different C. Zero D. Infinite
11	Heat energy is converted into electrical energy.	A. Solar cells B. thermocouples C. Electric generators D. None of above
12	Resistance tolerance for gold colour is.	A. 50% B. 30% C. 20% D. 5%
13	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
14	When a pot difference of 4 volt is applied across resistance, 10 J of energy is converted Find charge flows	A. 0.20 C B. 2.5 C C. 5.0 C D. 10.0 C
15	Semiconductor diodes are called:	A. Ohmic B. non ohmic C. Both a & b D. none of above
		A. $H = I^2 R t$

16	The heat produced by passage of current.	B. $H=IR^2I$ C. $H=I/Rt$ D. $H=I^2Rt$
17	The resistivity of -----decrease with the increase in temp	A. Gold B. Silver C. Copper D. Silicon
18	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
19	The product of resistance and conductance is	A. 1 B. Resistivity C. Conductance D. Zero
20	Three resistors of resistance R each are combined in various ways, Which of the following cannot be obtained?	A. $3R\Omega$ B. $2R/4\Omega$ C. $R/3\Omega$ D. $2R/3\Omega$