

Physics ICS Part 2 Chapter 13 Online MCQ's Test

Sr	Questions	Answers Choice
1	For non-ohmic devices, the graph between V and I is	A. Not a straight line B. A straight line C. A curve D. All of above
2	If the resistance of 500 Ohm have fourth band of silver colour then its upper maximum resistance will be.	A. 600 Ohm B. 550 Ohm C. 450 Ohm D. 400 Ohm
3	Heat energy is converted into electrical energy.	A. Solar cells B. thermocouples C. Electric generators D. None of above
4	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
5	Kirchhoff's first rule is the manifestation of the law of conservation of.	A. Mass B. Charge C. Energy D. Momentum
6	The current flowing through each resistor of equal resistance in parallel combination is.	A. Same B. Different C. Zero D. Infinite
7	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
8	If there is no fourth band, tolerance is shows as	D. 10%
9	The resistivity of two wires isp_1 and p_2 which are connected in series. If there dimentions are same then the equivalent resistivity of the combination will be:	A. (p₁ + p₂) B. 1/ p₁ + 1/ p₂ C. p₂ C. p₁ + p_{1//2 D. p_{1/p_{1/p_{1/p_{1/p₂p₂<}}}}}
10	106 electrons are moving through a wire per second the current developed is:	A. 1.6 x 10-19 A B. 1 A C. 1.6 x 10-13A D. 106 A
11	A charged conductor has charge on its.	A. Inner surface B. Outer surface C. Middle surface

		D. Surrounding space
12	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
13	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
14	In gas the charge carriers are:	A. Electrons B. lons C. Both a & D. None of above
15	A substance having the negative temperature co efficient of resistivity out of the following is.	A. Carbon B. Iron C. Tungsten D. Gold
16	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
17	The head produced by the passage of current through a resistor is.	A. H= I ² Rt B. H = IR ² t C. H = 1/Rt D. H = I ² /Rt
18	In carbon resistors, then value of Blue colour is.	A. 6 B. 7 C. 8 D. 9
19	The potential difference between the head and tail of an electrical to	A. 600 Volt B. 700 Volt C. 800 Volt D. 900 Volt
20	The unit of resistance is:	A. Ω B. Ω m C. Ω ⁻¹ D. Ω m ⁻¹