

Physics ICS Part 2 Chapter 13 Online MCQ's Test

Sr	Questions	Answers Choice
1	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
2	The value of maximum output power is?	A. E/4R B. E ² /4R C. E/4R ² D. Non of above
3	The product of resistance and conductance is	A. 1 B. Resistivity C. Conductance D. Zero
4	The SI unit of resistivity is.	A. Ohm m-2 B. Ohm m-1 C. Ohm m D. Ohm
5	If 1 x 10^{7} electrons passes through a conductor in 1.0 micro second , then the current is.	A. 2 A B. 1.6 A C. 2.6 x 10 ⁻⁶ A D. 1.6 x 10 ⁻⁶ A
6	A charged conductor has charge on its.	A. Inner surface B. Outer surface C. Middle surface D. Surrounding space
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	Kirchhoff's voltage rule is a way of stating conservation of.	A. Mass B. Charge C. Energy D. Momentum
9	Thermosouple 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
10	The color code of "Green"	A. 8 B. 3 C. 5 D. 7
11	The vessel containing the tow electrodes and liquid to known as.	A. Chemical cell B. Volt cell C. Volta cell D. Volta meter
12	The condition for the wheatstone bridge to be balanced is given by	D. None of above
13	The drift velocity is of order:	A. 10 ⁻¹³ m/s B. 10 ³ m/s C. 10 ⁻³ m/s D. 10 ⁻⁴ m/s
14	Resistance tolerance of silver band is.	A. 10% B. 6% C. 7% D. 5%
15	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

16	Tolerance of "Gold" band.	A. ±10% B. ±5% C. ±15% D. ±20%
17	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
18	mho -m-1 is the unit of.	A. Resistance B. Resistivity C. Conductance D. Conductivity
19	When a wire of length 'I' 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
20	A certain wire has a resistance R, the resistivity of an other wire of an identical material with the first, except for twice its diameter is.	A. 1/4 R B. 4R C. 2R D. Same as R