

Physics ICS Part 2 Chapter 13 Online MCQ's Test

Sr	Questions	Answers Choice
1	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
2	The color code of "Green"	A. 8 B. 3 C. 5 D. 7
3	Electric power:	A. $V \times I$ B. $V^2 \times I$ C. V/I D. V/I^2
4	The algebraic sum of potential change in a closed circuit is zero.	A. Kirchhoff's 1st rule B. Kirchhoff 2 nd rule C. Kirchhoff's 3 rd rule D. Kirchhoff 4 th rule
5	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
6	The value of maximum output power is?	A. $E/4R$ B. $E^2/4R$ C. $E/4R^2$ D. Non of above
7	Thermistor with high - ve temperature coefficient are very accurate for measuring low temperature especially near is.	A. 10 kelvin B. 70 kelvin C. 200 kelvin D. 35 kelvin
8	Tolerance of "Gold" band.	A. $\pm 10\%$ B. $\pm 5\%$ C. $\pm 15\%$ D. $\pm 20\%$
9	The unit of conductivity is:	A. $\text{Ohm}^{-3} \text{m}^{-1}$ B. Ohm m^{-1} C. Both a and b D. Ohm m^{-1}
10	The vessel containing the two electrodes and liquid is known as.	A. Chemical cell B. Volt cell C. Volta cell D. Volta meter
11	The heat produced by passage of current.	A. $H = I^2 R t$ B. $H = IR^2 T$ C. $H = I/Rt$ D. $H = I^2 R/t$
12	Heat energy is converted into electrical energy.	A. Solar cells B. thermocouples C. Electric generators D. None of above
13	The free electrons experience force.	A. In direction of -E B. In direction of E C. Both A and B D. All of the above
14	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
		A. Electrons

15	In gas the charge carriers are:	B. Ions C. Both a & b D. None of above
16	Unit (S.I) of temperature coefficient of resistivity of a material is	A. K B. K^{-1} C. $^{\circ}C$ D. K^{-2}
17	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