

Physics ICS Part 2 Chapter 13 Online MCQ's Test

Sr	Questions	Answers Choice
1	An ideal current source shall have resistance	A. Zero B. Finite but not zero C. Infinite D. Depend upon requirement
2	Resistance tolerance of silver band is.	A. 10% B. 6% C. 7% D. 5%
3	A wire uniform cross-section. A length L and resistance R is cut into two equal parts. The resistivity of each part will be:	A. Doubled B. Halved C. Remain the same D. One fourth
4	The vessel containing the tow electrodes and liquid to known as.	A. Chemical cell B. Volt cell C. Volta cell D. Volta meter
5	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
6	During electrolysis process, density of CuSO_4 solution	A. Remains constant B. Decreased C. Increased D. None of these
7	The resistivity of two wires ρ_1 and ρ_2 which are connected in series. If there dimention are same then the equivalent resistivity of the combination will be:	A. $\rho_1 + \rho_2$ B. $\frac{\rho_1 + \rho_2}{2}$ C. $\frac{\rho_1 \rho_2}{\rho_1 + \rho_2}$ D. $\frac{\rho_1 \rho_2}{2}$
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. K^{-2} D. K^{-3}
10	Potentiometer is used to.	A. Compare emf of two cells B. Detect internal resistance of cell C. Measure P.D. D. All of these

11	The unit of conductivity is:	<p>A. $\text{Ohm}^{-3}\text{m}^{-1}$</p> <p>B. Ohm m^{-1}</p> <p>C. Both a and b</p> <p>D. Ohm m^{-1}</p>
12	Drift velocity of electrons is.	<p>A. 10^{-1} m/s</p> <p>B. 10^{-2} m/s</p> <p>C. 10^{-3} m/s</p> <p>D. 10^3 m/s</p>
13	Colour codes are used to calculate the.	<p>A. Nature of resistor</p> <p>B. Numerical value of resistance</p> <p>C. Potential difference</p> <p>D. Current</p>
14	What is the resistance of carbon resistor which has band brown black brown.	<p>A. 100 Ohm</p> <p>B. 1000 Ohm</p> <p>C. 10 Ohm</p> <p>D. 1.0 Ohm</p>
15	Which one of the following bulbs has the least resistance.	<p>A. 100 W</p> <p>B. 200 W</p> <p>C. 500 W</p> <p>D. 1000 W</p>
16	The thermistors convert changes of temperature into.	<p>A. Light energy</p> <p>B. Electric voltage</p> <p>C. Heat</p> <p>D. Sound</p>
17	For ohmic device the graph between V and I is.	<p>A. A straight line</p> <p>B. Curve</p> <p>C. Hyperbola</p> <p>D. Parabola</p>
18	The value of maximum output power is?	<p>A. $E/4R$</p> <p>B. $E^2/4R$</p> <p>C. $E/4R^2$</p> <p>D. Non of above</p>
19	In gas the charge carriers are:	<p>A. Electrons</p> <p>B. Ions</p> <p>C. Both a & b</p> <p>D. None of above</p>
20	The drift velocity is of order:	<p>A. 10^{-13} m/s</p> <p>B. 10^3 m/s</p> <p>C. 10^{-3} m/s</p> <p>D. 10^{-4} m/s</p>