

Physics ICS Part 2 Chapter 13 Online MCQ's Test

Sr	Questions	Answers Choice
1	Tolerance of "Gold" band.	A. $\pm 10\%$ B. $\pm 5\%$ C. $\pm 15\%$ D. $\pm 20\%$
2	If 1×10^7 electrons passes through a conductor in 1.0 micro second , then the current is.	A. 2 A B. 1.6 A C. 2.6×10^{-6} A D. 1.6×10^{-6} A
3	During electrolysis process, density of CuSO_4 solution	A. Remains constant B. Decreased C. Increased D. None of these
4	The current flowing through each resistor of equal resistance in parallel combination is.	A. Same B. Different C. Zero D. Infinite
5	A substance having the negative temperature coefficient of resistivity out of the following is.	A. Carbon B. Iron C. Tungsten D. Gold
6	A charged conductor has charge on its.	A. Inner surface B. Outer surface C. Middle surface D. Surrounding space
7	The powers of two electric bulbs are 100w and 200w. Which are connected to power supply of 220 V. The ratio of resistance of their filament will be:	A. $1:2$ B. $2:1$ C. $1:3$ D. $4:3$
8	Thermocouple is an arrangement of two different metals:	A. To 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
9	Drift velocity of electrons is.	A. 10^{-1} m/s B. 10^{-2} m/s C. 10^{-3} m/s D. 10^{-3} m/s
10	For ohmic device the graph between V and I is.	A. A straight line B. Curve C. Hyperbola D. Parabola
11	Specific resistance of a material depends upon.	A. Length B. Area C. Temperature D. Both A and B
12	When a wire is stretched and its radius becomes $r/2$, then its resistance will be	A. 16 R B. 4 R C. 2R D. 0
13	Unit (S.I) of temperature coefficient of resistivity of a material is	A. K B. K^{-1} C. $^{\circ}\text{C}$ D. K^{-2}

14	The algebraic sum of potential change in a closed circuit is zero.	A. Kirchoff's 1st rule B. Kirchoff 2 nd rule C. Kirchoff's 3 rd rule D. Kirchoff 4 th rule
15	Calculate current in 2 R /4Ω resistor.	A. 1 A B. 2R /4Ω C. R/3Ω D. 2R /3Ω
16	Kirchoff's first rule is the manifestation of the law of conservation of.	A. Mass B. Charge C. Energy D. Momentum
17	One ohm is equal to	A. VC-1 B. CV-1 C. AC-1 D. VA ⁻¹
18	The vessel containing the tow electrodes and liquid to known as.	A. Chemical cell B. Volt cell C. Volta cell D. Volta meter
19	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
20	The resistivity of -----decrease with the increase in temp	A. Gold B. Silver C. Copper D. Silicon