

Physics FSC Part 2 Online MCQ's Test

Sr	Questions	Answers Choice
1	The unit of magnetic induction is:	A. Tesla B. Weber C. Weber metre D. NAm^{-1}
2	The unit of resistance is:	A. Ω B. Ωm C. $\Omega^{-1}\text{m}^{-1}$ D. Ωm^{-1}
3	Semiconductor diodes are called:	A. Ohmic B. non ohmic C. Both a & b D. none of above
4	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
5	The color code of "Green"	A. 8 B. 3 C. 5 D. 7
6	Electric power:	A. $V \times I$ B. $V^2 \times I$ C. V/I D. V/I^2
7	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
8	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
9	The value of maximum output power is?	A. $E/4R$ B. $E^2/4R$ C. $E/4R^2$ D. Non of above
10	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
11	Tolerance of "Gold" band.	A. $\pm 10\%$ B. $\pm 5\%$ C. $\pm 15\%$ D. $\pm 20\%$
12	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}
13	The vessel containing the two electrodes and liquid is known as.	A. Chemical cell B. Volt cell C. Volta cell D. Volta meter
14	The heat produced by passage of current.	A. $H = I^2 R t$ B. $H = IR^2 T$ C. $H = I/Rt$ D. $H = I^2 R t$

A. Solar cells

15	Heat energy is converted into electrical energy.	B. thermocouples C. Electric generators D. None of above
16	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
17	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