Physics FSC Part 2 Chapter 13 Online MCQ's Test

Sr	Questions	Answers Choice
1	Colour codes are used to calculate the.	A. Nature of resistor B. Numerical value of resistance C. Potential difference D. Current
2	The resistivity of ----------decrease with the increase in temp	A. Gold B. Silver C. Copper D. Silicon
3	Resistance tolerance of silver band is.	A. 10% B. 6% C. 7% D. 5%
4	Tolerance of "Gold" band.	A. ±10% B. ±5% C. ±15% D. ±20%
5	In carbon resistors, then value of Blue colour is.	A. 6 B. 7 C. 8 D. 9
6	The condition for the wheatstone bridge to be balanced is given by	D. None of above
7	Unit (S.I) of temperature coefficient of resistivity of a material is	A. K B. K⁻¹ C. ^oC D. K⁻²
8	The heat produced by passage of current.	A. H=I²Rt B. H=IR2T C. H=I/Rt D. H=I²/Rt
9	The algebraic sum of potential change in a closed circuit is zero.	A. Kirchhoff's 1st rule B. Kirchhoff 2nd rule C. Krichoff's 3rd rule D. Kirchhoff 4th rule
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	The thermistors convert changes of temperature into.	A. Light energy B. Electric voltage C. Heat D. Sound
12	Kirchhoff's voltage rule is a way of stating conservation of.	A. Mass B. Charge C. Energy D. Momentum
13	The value of maximum output power is?	A. E/4R B. E²/4R C. E/4R² D. Non of above
14	Two resistance of 2 Ohm each are connected in parallel combination equivalent resistance will be.	A. 4 Ohm B. 2 Ohm C. 1 Ohm D. 8 Ohm
15	A rheostat can be used as variable resistor as well as a----------	A. Potential divider B. Current divider C. Wheat stone bridge D. Power divider
		A. 1.6 x 10-19 A

16	106 electrons are moving through a wire per second the current developed is:	B. 1 A C. 1.6 x 10-13A D. 106 A
17	The product of resistance and conductance is	A. 1 B. Resistivity C. Conductance D. Zero
18	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
19	When a wire of length 'l' 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	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