

Physics FSC Part 2 Chapter 13 Online MCQ's Test

Sr	Questions	Answers Choice
1	The color code of "Green"	A. 8 B. 3 C. 5 D. 7
2	Magnetic effect of current is used in.	A. Toaster B. Electric iron C. Electric motor D. D.C. Battery
3	The condition for the wheatstone bridge to be balanced is given by	D. None of above
4	Three resistors of resistance R each are combined in various ways, Which of the following cannot be obtained?	A. 3 RΩ B. 2R /4Ω C. R/3Ω D. 2R /3Ω
5	A charged conductor has charge on its.	A. Inner surface B. Outer surface C. Middle surface D. Surrounding space
6	Colour codes are used to calculate the.	A. Nature of resistor B. Numerical value of resistance C. Potential difference D. Current
7	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
8	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
9	Electric power:	A. $V \times I$ B. $V^2 \times I$ C. V/I D. V/I^2
10	For non-ohmic devices, the graph between V and I is	A. Not a straight line B. A straight line C. A curve D. All of above
11	The resistivity of -----decrease with the increase in temp	A. Gold B. Silver C. Copper D. Silicon
12	Ampere second stands for the unit of.	A. Charge B. emf C. energy D. Power
13	If a charge Q flows through any cross section of the conductor in time t, the current I is	A. $I=Qt$ B. $I= Q/t$ C. $I= Q \cdot t$ D. $I= Q-t$
14	The SI unit of resistivity is.	A. Ohm m ⁻² B. Ohm m ⁻¹ C. Ohm m D. Ohm
15	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

16	The head produced by the passage of current through a resistor is.	<p>A. $H = I^2 R t$</p> <p>B. $H = I R^2 t$</p> <p>C. $H = I / R t$</p> <p>D. $H = I^2 / R t$</p>
17	Thermocouple is an arrangement of two different metals:	<p>A. To convert heat energy into electrical energy</p> <p>B. To produce more heat</p> <p>C. To convert heat energy into chemical energy</p> <p>D. To convert electrical energy into heat energy</p>
18	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:	<p>A. 1:2</p> <p>B. 2:1</p> <p>C. 1:3</p> <p>D. 4:3</p>
19	A rheostat can operate as.	<p>A. Amplifier</p> <p>B. Potential divider</p> <p>C. Oscillator</p> <p>D. Transformer</p>
20	When a potential difference of 4 volt is applied across resistance, 10 J of energy is converted. Find charge flows	<p>A. 0.20 C</p> <p>B. 2.5 C</p> <p>C. 5.0 C</p> <p>D. 10.0 C</p>