

Physics FSC Part 2 Chapter 13 Online MCQ's Test

Sr	Questions	Answers Choice
1	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
2	If the resistance of 500 Ohm have fourth band of silver colour then its upper maximum resistance will be.	A. 600 Ohm B. 550 Ohm C. 450 Ohm D. 400 Ohm
3	106 electrons are moving through a wire per second the current developed is:	A. 1.6×10^{-19} A B. 1 A C. 1.6×10^{-13} A D. 106 A
4	Kirchhoff's voltage rule is a way of stating conservation of.	A. Mass B. Charge C. Energy D. Momentum
5	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
6	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
7	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
8	Resistance tolerance for gold colour is.	A. 50% B. 30% C. 20% D. 5%
9	Heat energy is converted into electrical energy.	A. Solar cells B. thermocouples C. Electric generators D. None of above
10	The color code of "Green"	A. 8 B. 3 C. 5 D. 7
11	Three resistors of resistance R each are combined in various ways, Which of the following cannot be obtained?	A. 3 RΩ B. $2R/4\Omega$ C. $R/3\Omega$ D. $2R/3\Omega$
12	The conventional current is due to the flow of	A. Atoms and molecules B. Positive charge C. Negative charge D. Bot (b) and (c)
13	A substance having the negative temperature co efficient of resistivity out of the following is.	A. Carbon B. Iron C. Tungsten D. Gold
14	Semiconductor diodes are called:	A. Ohmic B. non ohmic C. Both a & b D. none of above

A. 10^{-1} m/s
B. 10^{-2} m/s
C. 10^{-3} m/s
D. 10^{-3} m/s

15	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>34); font-family: arial, sans-serif; font-size: 16px;">1</p> <p>C. 1</p> <p>D. 4</p>
16	Thermosouple is an arrangement of two different metals:	<p>A. Two 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>
17	For non-ohmic devices, the graph between V and I is	<p>A. Not a straight line</p> <p>B. A straight line</p> <p>C. A curve</p> <p>D. All of above</p>
18	The free electrons experience force.	<p>A. In direction of -E</p> <p>B. In direction of E</p> <p>C. Both A and B</p> <p>D. All of the above</p>
19	Electric power:	<p>A. $V \times I$</p> <p>B. $V^2 \times I$</p> <p>C. V/I</p> <p>D. V/I^2</p>
20	Specific resistance of a material depends upon.	<p>A. Length</p> <p>B. Area</p> <p>C. Temperature</p> <p>D. Both A and B</p>