

## Physics ICS Part 2 Chapter 13 Online MCQ's Test

Sr	Questions	Answers Choice
1	The head produced by the passage of current through a resistor is.	<p>A. <math>H = I^2 R t</math></p> <p>B. <math>H = I R^2 t</math></p> <p>C. <math>H = I/R t</math></p> <p>D. <math>H = I^2 / R t</math></p>
2	The unit of temperature co efficient of resistivity is.	<p>A. Ohm -m</p> <p>B. K-1</p> <p>C. K</p> <p>D. Ohm</p>
3	The value of maximum output power is?	<p>A. <math>E/4R</math></p> <p>B. <math>E^2 / 4R</math></p> <p>C. <math>E/4R^2</math></p> <p>D. Non of above</p>
4	The color code of "Green"	<p>A. 8</p> <p>B. 3</p> <p>C. 5</p> <p>D. 7</p>
5	An ideal current source shall have resistance	<p>A. Zero</p> <p>B. Finite but not zero</p> <p>C. Infinite</p> <p>D. Depend upon requirement</p>
6	Thermistor with high - ve temperature coefficient are very accurate for measuring low temperature especially near is.	<p>A. 10 kelvin</p> <p>B. 70 kelvin</p> <p>C. 200 kelvin</p> <p>D. 35 kelvin</p>
7	The fraction change in resistance per Kelvin is known as:	<p>A. Temperature coefficient of Resistance</p> <p>B. Coefficient of voltage of change</p> <p>C. Thermal expansion</p> <p>D. All of the above</p>
8	mho -m-1 is the unit of.	<p>A. Resistance</p> <p>B. Resistivity</p> <p>C. Conductance</p> <p>D. Conductivity</p>
9	The resistivity of two wires is $\rho_1$ and $\rho_2$ which are connected in series. If there dimention are same then the equivalent resistivity of the combination will be:	<p>A. <math>(\rho_1 + \rho_2) / 2</math></p> <p>B. <math>\rho_1 + \rho_2</math></p> <p>C. <math>\rho_1 \rho_2</math></p> <p>D. <math>\rho_1 \rho_2 / 2</math></p>
10	The potential difference between the head and tail of an electrical to	<p>A. 600 Volt</p> <p>B. 700 Volt</p> <p>C. 800 Volt</p> <p>D. 900 Volt</p>

11	Magnetic effect of current is used in.	A. Toaster B. Electric iron C. Electric motor D. D.C. Battery
12	Resistance tolerance for gold colour is.	A. 50% B. 30% C. 20% D. 5%
13	A wire uniform cross-section. A length L and resistance R is cut into two equal parts. The resistivity of each part will be:	A. Doubled B. Halved C. Remain the same D. One fourth
14	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 B. 2 C. 1 D. 4
15	Three resistors of resistance R each are combined in various ways, Which of the following cannot be obtained?	A. 3 R B. 2R /4 C. R/3 D. 2R /3
16	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*t D. I= Q-t
17	Tolerance of "Gold" band.	A. ±10% B. ±5% C. ±15% D. ±20%
18	For ohmic device the graph between V and I is.	A. A straight line B. Curve C. Hyperbola D. Parabola
19	In gas the charge carriers are:	A. Electrons B. Ions C. Both a & b D. None of above
20	The product of resistance and conductance is	A. 1 B. Resistivity C. Conductance D. Zero