

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

Sr	Questions	Answers Choice
1	In gas the charge carriers are:	A. Electrons B. Ions C. Both a & b D. None of above
2	Heat generated by a 40 W bulb in one hour is.	A. 140 J B. 1440 J C. 14400 J D. 144000 J
3	If there is no fourth band, tolerance is shows as	D. 10%
4	The current flowing through each resistor of equal resistance in parallel combination is.	A. Same B. Different C. Zero D. Infinite
5	The unit of temperature co efficient of resistivity is.	A. Ohm -m B. K-1 C. K D. Ohm
6	The reciprocal of resistance is called.	A. Capacitance B. Resistance C. Conductance D. Inductance
7	If $1 \times 10^7$ electrons passes through a conductor in 1.0 micro second , then the current is.	A. 2 A B. 1.6 A C. $2.6 \times 10^{-6}$ A D. $1.6 \times 10^{-6}$ A
8	Resistivity at a given temperature depends upon.	A. Area of cross section B. Length C. Nature of material of conductor D. Both length and area
9	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
10	Which one of the following bulbs has the least resistance.	A. 100 W B. 200 W C. 500 W D. 1000 W
11	Magnetic effect of current is used	A. To detect a current B. To measure a current C. In electric motor D. All of above
12	Thermocouple is an arrangement of two different metals:	A. To 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
13	The unit of resistance is:	A. $\Omega$ B. $\Omega m$ C. $\Omega^{-1} m^{-1}$ D. $\Omega m^{-1}$
14	Kirchhoff's voltage rule is a way of stating conservation of.	A. Mass B. Charge C. Energy D. Momentum
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. ...

		D. None of these
16	The color code of "Green"	A. 8 B. 3 C. 5 D. 7
17	The value of maximum output power is?	A. $E/4R$ B. $E^2/4R$ C. $E/4R^2$ D. Non of above
18	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
19	the current which flows from a point at higher. potential to point at lower potential is called.	A. Electric current B. Conventional current C. Either of these D. None of above
20	For ohmic device the graph between V and I is.	A. A straight line B. Curve C. Hyperbola D. Parabola