

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

Sr	Questions	Answers Choice
1	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
2	In gas the charge carriers are:	A. Electrons B. Ions C. Both a & b D. None of above
3	$\text{mho}^{-1}$ is the unit of.	A. Resistance B. Resistivity C. Conductance D. Conductivity
4	The unit of conductivity is:	A. $\text{Ohm}^{-3}$ B. $\text{Ohm}^{-1}$ C. Both a and b D. $\text{Ohm}^{-1}$
5	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
6	5 A of current flows through a conductor in 2 minutes, charge in the wire is.	A. 500 C B. 600 C C. 400 C D. 10 C
7	Kirchhoff's voltage rule is a way of stating conservation of.	A. Mass B. Charge C. Energy D. Momentum
8	Heat generated by a 40 W bulb in one hour is.	A. 140 J B. 1440 J C. 14400 J D. 144000 J
9	If there is no fourth band, tolerance is shows as	D. 10%
10	Which one of the following bulbs has the least resistance.	A. 100 W B. 200 W C. 500 W D. 1000 W
11	Kirchhoff's first rule is the manifestation of the law of conservation of.	A. Mass B. Charge C. Energy D. Momentum
12	The condition for the wheatstone bridge to be balanced is given by	D. None of above
13	The drift velocity is of order:	A. $10^{-13}$ m/s B. $10^{-3}$ m/s C. $10^{-3}$ m/s D. $10^{-4}$ m/s
14	Heat sensitive resistors are called.	A. resistors B. Capacitor C. Thermistors D. Inductors
15	In carbon resistors, then value of Blue colour is.	A. 6 B. 7 C. 8 D. 9
16	Three resistors of resistance R each are combined in various ways, Which of the following cannot be obtained?	A. $3\text{R}$ B. $2\text{R}/4\Omega$ C. $\text{R}/3\Omega$ D. $2\text{R}/3\Omega$

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17 The fraction change in resistance per Kelvin is known as:

A. Temperature coefficient of Resistance  
B. Coefficient of voltage of change  
C. Thermal &nbsp;expansion  
D. All of the above&nbsp;

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18 Heat energy is converted into electrical energy.

A. Solar cells  
B. thermocouples  
C. Electric generators  
D. None of above

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19 Magnetic effect of current is used in.

A. Toaster  
B. Electric iron  
C. Electric motor  
D. D.C. Battery

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20 A substance having the negative temperature co efficient of resistivity out of the following is.

A. Carbon  
B. Iron  
C. Tungsten  
D. Gold

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