

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

Sr	Questions	Answers Choice
1	The potential difference between the head and tail of an electrical to	A. 600 Volt B. 700 Volt C. 800 Volt D. 900 Volt
2	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
3	The algebraic sum of potential change in a closed circuit is zero.	A. Kirchhoff's 1st rule B. Kirchhoff 2 <sup>nd</sup> rule C. Krichhoff's 3 <sup>rd</sup> rule D. Kirchhoff 4 <sup>th</sup> rule
4	The free electrons experience force.	A. In direction of -E B. In direction of E C. Both A and B D. All of the above
5	The value of maximum output power is?	A. $E/4R$ B. $E^2/4R$ C. $E/4R^2$ D. Non of above
6	mho $\text{-m}^{-1}$ is the unit of.	A. Resistance B. Resistivity C. Conductance D. Conductivity
7	When a wire is stretched and its radius becomes $r/2$ , then its resistance will be	A. 16 R B. 4 R C. 2R D. 0
8	A battery move a charge of 40 C around a circuit at constant rate in 20 Sec. The current will be.	A. 2 A B. 0.5 A C. 80 A D. 800 A
9	A charged conductor has charge on its.	A. Inner surface B. Outer surface C. Middle surface D. Surrounding space
10	The product of resistance and conductance is	A. 1 B. Resistivity C. Conductance D. Zero
11	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
12	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
13	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
14	The unit of resistance is:	A. $\Omega$ B. $\Omega m$ C. $\Omega^{-1} m^{-1}$ D. $\Omega m^{-1}$
15	Potentiometer is used to.	A. Compare emf of two cells B. Detect internal resistance of cell C. Measure P.D.

---

16 The color code of "Green" A. 8  
B. 3  
**C. 5**  
D. 7

---

17 A certain wire has a resistance  $R$ , the resistivity of another wire of an identical material with the first, except for twice its diameter is. A.  $1/4 R$   
B.  $4R$   
C.  $2R$   
D. Same as  $R$

---

18 Heat generated by a 40 W bulb in one hour is. A. 140 J  
B. 1440 J  
C. 14400 J  
**D. 144000 J**

---

19 In carbon resistors, then value of Blue colour is. A. 6  
B. 7  
C. 8  
D. 9

---

20 Unit (S.I) of temperature coefficient of resistivity of a material is A. K  
**B.  $K^{-1}$**   
C.  $^oC$   
D.  $K^{-2}$

---