

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's 2 nd rule C. Kirchhoff's 3 rd rule D. Kirchhoff's 4 th 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. $E/4R$ D. Non of above
6	mho -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. Q B. Ω m C. Ω m ⁻¹ D. Ω m ⁻¹
15	Potentiometer is used to.	A. Compare emf of two cells B. Detect internal resistance of cell C. Measure P.D. D. Measure P.D.

D. All of these

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 an other wire of an identical material with the first, except for twice its diameter is.

- A. $\frac{1}{4} R$
- 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. $^{\circ}C$
- D. K^{-2}