Physics ICS Part 2 Chapter 13 Online MCQ's Test

Sr	Questions	Answers Choice
1	Magnetic effect of current is used	A. To detect a current B. To measure a current C. In electric motor D. All of above
2	The value of maximum output power is?	A. E/4R B. E²/4R C. E/4R² D. Non of above
3	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
4	Resistance tolerance of silver band is.	A. 10% B. 6% C. 7% D. 5%
5	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
6	Magnetic effect of current is used in.	A. Toaster B. Electric iron C. Electric motor D. D.C. Battery
7	The condition for the wheatstone bridge to be balanced is given by	D. None of above
8	The potential difference between the head and tail of an electrical to	A. 600 Volt B. 700 Volt C. 800 Volt D. 900 Volt
9	In carbon resistors, then value of Blue colour is.	A. 6 B. 7 C. 8 D. 9
10	In gas the charge carriers are:	A. Electrons B. Ions C. Both a & b D. None of above
11	The conventional current is due to the flow of	A. Atoms and molecules B. Positive charge C. Negative charge D. Bot (b) and (c)
12	The drift velocity is of order:	A. 10⁻¹³m/s B. 10³ m/s C. 10⁻³m/s D. 10⁻⁴m/s
13	A rheostat can be used as variable resistor as well as a----------	A. Potential divider B. Current divider C. Wheat stone bridge D. Power divider
14	Which one of the following bulbs has the least resistance.	A. 100 W B. 200 W C. 500 W D. 1000 W
15	Thermosouple is an arrangement of two different metals:	A. Two 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

16	The unit of resistance is:	A. Ω B. Ωm C. Ω⁻¹m⁻¹ D. Ωm⁻¹
17	Seven resistances are connected as shown in the figures . THe equivalent resistance between A and B is:	A. 3Ω B. 4Ω C. 4.5Ω D. 5Ω
18	Heat sensitive resistors are called.	A. resistors B. Capacitor C. Thermistors D. Inductors
19	The reciprocal of resistance is called.	A. Capacitance B. Resistance C. Conductance D. Inductance
20	The algebraic sum of potential change in a closed circuit is zero.	A. Kirchhoff's 1st rule B. Kirchhoff 2nd rule C. Krichoff's 3rd rule D. Kirchhoff 4th rule