Physics FSC Part 2 Chapter 13 Online MCQ's Test

Sr	Questions	Answers Choice
1	An ideal current source shall have resistance	A. Zero B. Finite but not zero C. Infinite D. Depend upon requirement
2	The value of maximum output power is?	A. E/4R B. E²/4R C. E/4R² D. Non of above
3	If a charge Q flows through any cross section of the conductor in time t, the current I is	A. I=Qt B. I= Q/t C. I= Q*t D. I= Q-t
4	When a wire of length 'l' and resistance R is cut into two equal parts then resistivity of each part.	A. is doubled B. Remains the same C. Is halved D. Is one fourth
5	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
6	Tolerance of "Gold" band.	A. ±10% B. ±5% C. ±15% D. ±20%
7	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
8	Magnetic effect of current is used in.	A. Toaster B. Electric iron C. Electric motor D. D.C. Battery
9	Heat sensitive resistors are called.	A. resistors B. Capacitor C. Thermistors D. Inductors
10	The fraction change in resistance per Kelvin is known as:	A. Temperature coefficient of Resistance B. Coefficient of voltage of change C. Thermal expansion D. All of the above
11	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
12	In carbon resistors, then value of Blue colour is.	A. 6 B. 7 C. 8 D. 9
13	The potential difference between the head and tail of an electrical to	A. 600 Volt B. 700 Volt C. 800 Volt D. 900 Volt
14	Electric power:	A. Vx1 B. V²x1 C. V/1 D. V/1²
15	The current through a resistance of 100 Ohm when connecting across a source of 220 V is.	A. 22000 A B. 22 A C. 2.2 A D. 0.45 A

		D. 0.45 A
16	The drift velocity is of order:	A. 10⁻¹³m/s B. 10³ m/s C. 10⁻³m/s D. 10⁻⁴m/s
17	Ampere second stands for the unit of.	A. Charge B. emf C. energy D. Power
18	The color code of "Green"	A. 8 B. 3 C. 5 D. 7
19	Heat generated by a 40 W bulb in one hour is.	A. 140 J B. 1440 J C. 14400 J D. 144000 J
20	The condition for the wheatstone bridge to be balanced is given by	D. None of above