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	Tolerance of "Gold" band.	A. ±10% B. ±5% C. ±15% D. ±20%
3	The unit of temperature co efficient of resistivity is.	A. Ohm -m B. K-1 C. K D. Ohm
4	e.m.f is the conversion of ---------- energy into electrical energy	A. Chemical B. Solar C. Light D. None of these
5	Calculate current in 2 2R /4Ω resistor.	A. 1 A B. 2R /4Ω C. R/3Ω D. 2R /3Ω
6	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. 1/4 R B. 4R C. 2R D. Same as R
7	The powers of two electric bulbs are 100w and 200w. Which are connected to power supply of 220 V. The ratio of resistance of their filament will be:	A. 1:2 B. 2:1 C. 1:3 D. 4:3
8	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
9	The resistivity of two wires isρ_1 andρ_2 which are connected in series. If there dimentions are same then the equivalent resistivity of the combination will be:	A. (ρ₁ + ρ₂) B. 1/ρ₁+ 1/ρ₂ C. ρ₁+ρ₂ /2 D. ρ_{1/} <span style="font-family: arial, sans-serif; font-size: 16px; color:

		rgb(34, 34, 34);">p₂
10	During electrolysis process, density of $CuSO_4$ solution	A. Remains constant B. Decreased C. Increased D. None of these
11	Resistance tolerance of silver band is.	A. 10% B. 6% C. 7% D. 5%
12	Kirchhoff's first rule is the manifestation of the law of conservation of.	A. Mass B. Charge C. Energy D. Momentum
13	If there is no fourth band, tolerance is shows as	D. 10%
14	In gas the charge carriers are:	A. Electrons B. Ions C. Both a & b D. None of above
15	For ohmic device the graph between V and I is.	A. A straight line B. Curve C. Hyperbola D. Parabola
16	The SI unit of resistivity is.	A. Ohm m-2 B. Ohm m-1 C. Ohm m D. Ohm
17	Unit (S.I) of temperature coefficient of resistivity of a material is	A. K B. K⁻¹ C. ^oC D. K⁻²
18	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
19	In carbon resistors, then value of Blue colour is.	A. 6 B. 7 C. 8 D. 9
20	Ampere second stands for the unit of.	A. Charge B. emf C. energy D. Power