

Physics ICS Part 2 Chapter 13 Online MCQ's Test

Sr	Questions	Answers Choice
1	The condition for the wheatstone bridge to be balanced is given by	D. None of above
2	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
3	One ohm is equal to	A. VC-1 B. CV-1 C. AC-1 D. \sqrt{VA}
4	Resistance tolerance for gold colour is.	A. 50% B. 30% C. 20% D. 5%
5	The unit of conductivity is:	A. $\text{Ohm}^{-3}\text{m}^{-1}$ B. Ohm m^{-1} C. Both a and b D. Ohm m^{-1}
6	Kirchhoff's voltage rule is a way of stating conservation of.	A. Mass B. Charge C. Energy D. Momentum
7	106 electrons are moving through a wire per second the current developed is:	A. 1.6×10^{-19} A B. 1 A C. 1.6×10^{-13} A D. 106 A
8	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. $4:3$
9	Resistance tolerance of silver band is.	A. 10% B. 6% C. 7% D. 5%
10	Tolerance of "Gold" band.	A. $\pm 10\%$ B. $\pm 5\%$ C. $\pm 15\%$ D. $\pm 20\%$
11	The potential difference between the head and tail of an electrical to	A. 600 Volt B. 700 Volt C. 800 Volt D. 900 Volt
12	A substance having the negative temperature coefficient of resistivity out of the following is.	A. Carbon B. Iron C. Tungsten D. Gold
13	Calculate current in $2 \frac{2R}{4\Omega}$ resistor.	A. 1 A B. $\frac{2R}{4\Omega}$ C. $\frac{R}{3\Omega}$ D. $\frac{2R}{3\Omega}$
14	By increasing the temperature of conductor, the flow rate of charges.	A. Increase B. Remains constant C. Decreases D. ...

D. Changes exponentially

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| 15 | The unit of resistance is: | A. Ω
B. Ωm
C. $\Omega^{-1} m^{-1}$
D. Ωm^{-1} |
| 16 | Kirchhoff's first rule is the manifestation of the law of conservation of. | A. Mass
B. Charge
C. Energy
D. Momentum |
| 17 | The resistivity of -----decrease with the increase in temp | A. Gold
B. Silver
C. Copper
D. Silicon |
| 18 | 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 |
| 19 | 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 |
| 20 | Terminal potential difference is greater than emf of the cell when | A. Circuit is open
B. Circuit is closed
C. small battery is charged by bigger battery
D. None of these |