

Physics ICS Part 2 Online MCQ's Test

Sr	Questions	Answers Choice
1	Colour codes are used to calculate the.	A. Nature of resistor B. Numerical value of resistance C. Potential difference D. Current
2	The torque in the coil can be increased by increasing:	A. No. of turns B. Current and magnetic field C. Area of coil D. All of the above
3	In nuclear radiation , track of alpha particle is.	A. Thin B. Discontinuous C. Erratic D. Continuous
4	In a transistor, collector current is controlled by:	A. Collector voltage B. Base current C. Collector resistance D. All of the above
5	Which of the following is one of the spectral series of atomic hydrogen?	A. Brockett series B. Balmer series C. P fund series D. All of above
6	Electric intensity due to an infinite sheet of charge is:	A. $\frac{\sigma}{2\epsilon_0}$ B. $\frac{\sigma}{\epsilon_0}$ C. $\frac{\sigma}{r^2\epsilon_0}$ D. none of these
7	The peak value of alternating current is $5\sqrt{2}$ A. The mean square value of current will be:	A. 5A B. 2.5A C. $5\sqrt{2}$ A D. $5\sqrt{2}$ A
8	The most refined form of matter is:	A. Smoke B. Light C. Ice D. Fog
9	In Series resonance circuit the impedance of circuit at resonance frequency, is	A. Maximum B. Minimum C. It is unequal to R D. None of above
10	The mass of an object will be doubled at speed.	A. 2.6×10^8 m/s B. 1.6×10^8 m/s C. 2.6×10^7 m/s D. 3.6×10^7 m/s
11	The peak to peak value of alternating voltage is	A. $2V_0$ B. V_0 D. None of these
12	Platinum wire becomes white at a temperature of.	A. 1600°C B. 1300°C C. 1100°C D. 900°C
13	Which of the modulus of elasticity is involved in compressing a rod to decrease its length ?	A. Young's modulus B. Bulk modulus C. Modulus of elasticity D. None of these
14	The mathematical symbol for NOR operation is	B. $X = A \cdot B$ C. $X = A + B$
15	The series in visible region is:	A. Balmer series B. Pfund series C. Paschen series D. None of above

16	When a PN-Junction is reverse biased the depletion region is.	<p>A. Widened</p> <p>B. Narrowed</p> <p>C. Normal</p> <p>D. None of these</p>
17	In case of A.C. through resistor V and I are	<p>A. At 0^o with each other</p> <p>B. At 180^o with each other</p> <p>C. At 90^o with each other</p> <p>D. At 270^o with each other</p>
18	The velocity of electron moving is 1st orbit of hydrogen atom is:	<p>A. $2.09 \times 10^6 \text{ ms}^{-1}$</p> <p>B. $2.18 \times 10^6 \text{ ms}^{-1}$</p> <p>C. $2.19 \times 10^6 \text{ ms}^{-1}$</p> <p>D. $3.18 \times 10^6 \text{ ms}^{-1}$</p>
19	The effective way to increase the sensitivity of moving coil galvanometer is.	<p>A. Increase the area of coil</p> <p>B. Increase the number of turn</p> <p>C. Increase the magnetic field</p> <p>D. Increase the value of constant C</p>
20	μ_0 (Ampere's constant) has value.	<p>A. $4\pi \times 10^{-7} \text{ WbA}^{-1} \text{m}^{-1}$</p> <p>B. $4\pi \times 10^{-17} \text{ Wbm}^2$</p> <p>C. $4\pi \times 10^7 \text{ WbA}^{-1} \text{m}^{-1}$</p> <p>D. $4\pi \times 10^{-27} \text{ Wb/m}^2$</p>