

Physics ICS Part 2 Online MCQ's Test

Sr	Questions	Answers Choice
1	When a motor is over loaded then the magnitude of back emf.	<p>A. Increases</p> <p>B. Decreases</p> <p>C. Remain constant</p> <p>D. Zero</p>
2	The SI unit of stress is same as that of.	<p>A. Pressure</p> <p>B. Force</p> <p>C. Momentum</p> <p>D. Work</p>
3	If the kinetic energy of a free electron doubles, its de Broglie wavelength changes by the factor.	<p>A. $\frac{1}{2}$</p> <p>B. $\frac{1}{\sqrt{2}}$</p> <p>C. 2</p> <p>D. $\frac{1}{2}$</p>
4	Main reason for world wide use of A.C. is	<p>A. It is cheaper</p> <p>B. Transmitted</p> <p>C. Both a and b</p> <p>D. Reaches in short time</p>
5	The motional emf developed in a conduction depends upon.	<p>A. Length</p> <p>B. Orientation</p> <p>C. Magnetic field</p> <p>D. All of the above</p>
6	Which diode works at reverse biasing.	<p>A. LED</p> <p>B. Photo voltaic cell</p> <p>C. Photo diode</p> <p>D. Silicon diode</p>
7	When the back emf is zero, its draws.	<p>A. Zero current</p> <p>B. Minimum current</p> <p>C. Maximum current</p> <p>D. Steady current</p>
8	The value of Wien's constant:	<p>A. $2.9 \times 10^{-3} \text{ mk}$</p> <p>B. $2.19 \times 10^{-7} \text{ mk}$</p> <p>C. $3.18 \times 10^{-6} \text{ km}^{-1}$</p> <p>D. $6.21 \times 10^{-9} \text{ m}^2 \text{ wk}^3$</p>
9	How many times, the alpha particle is more massive than electrons.	<p>A. 6332</p> <p>B. 7332</p> <p>C. 8332</p> <p>D. 9332</p>
10	Einstein photoelectric equation is	<p>D. None of these</p>
11	The wavelength associated with the protons moving at speed of 40 m/s is.	<p>A. 7.20 nm</p> <p>B. 9.02</p> <p>C. 15.7 nm</p> <p>D. 17.3 nm</p>
12	In order to measure potential difference voltmeter is always connected in.	<p>A. Series</p> <p>B. Parallel</p> <p>C. Both a and b</p> <p>D. Neither in series nor in parallel</p>
13	The peak value of alternating current is $5\sqrt{2}$ A. The mean square value of current will be:	<p>A. 5A</p> <p>B. 2.5A</p> <p>C. $5\sqrt{2}$ A</p> <p>D. 5^2</p>
		<p>A. Solar cells</p>

14	Heat energy is converted into electrical energy.	B. thermocouples C. Electric generators D. None of above
15	For step down transformer	A. $N_s > N_p$ B. $N_p > N_s$ C. $N_s = N_p$ D. $N_s > > > N_p$
16	The idea of laser device was first introduced by C.H. Towners and Authers Schowlan is	A. 1972 B. 1965 C. 1958 D. 1913
17	Gauss's law can only be applied to.	A. A curved surface B. A flat surface C. A closed surface D. A surface of any shape
18	Donor impurities are	A. Germanium, silicon B. Indium, galium C. Antimony, arsenic D. Diamond, carbon
19	Albert Einstein got noble prize for service in:	A. Pair production B. Annihilation of matter theory C. Compton effect D. Photoelectric effect
20	A sensitive galvanometer is	A. Unstable B. Stable C. Moderate D. Both B and C