

ECAT Pre General Science MCQ's Test For Physics Full Book

Sr	Questions	Answers Choice
1	In the equilibrium state, the potential difference between two ends of the conductor moving across a magnetic field is called:	A. Motion emf B. Electrostatic emf C. Induced emf D. Both A and B E. Both A and C
2	The _____ viscous the medium is _____, is the value of terminal velocity of the droplet:	A. More, lesser B. Lesser, more C. Both A and B D. Lesser, lesser
3	A body is moving with constant velocity of 10 m/sec in the north-east direction. Then its acceleration will be:	A. 10 m/sec^2 B. 20 m/sec^2 C. 30 m/sec^2 D. Zero
4	A wave, which transfer energy by moving away from the source of disturbance is called a	A. progressive wave B. travelling wave C. both of them D. none of them
5	The waves in which the particles of the medium are displaced in a direction perpendicular to the direction of propagation of waves are known as	A. longitudinal waves B. transverse waves C. non-mechanical waves D. none of them
6	The relation between the charge Q of a parallel plate capacitor and the P.D between its plates is	A. $Q=V/C$ B. $Q=C/V$ C. $Q=1/2CV$ D. $Q=CV$
7	The third band of the colour code:	A. Gives the number of zeroes B. Is decimal multiplier C. Gives the resistance tolerance D. Gives the third digit E. Both (A) and (B)
8	The motion of a projectile is	A. one dimension B. two dimension C. three dimension D. all of them
9	Ohm established a relation between	A. voltage and resistance B. voltage and charge C. voltage and current D. voltage resistance and charge
10	The heat required to raise the temperature of one mole of the substance through 1 K is called	A. heat capacity B. specific heat capacity C. molar specific heat D. all of them
11	An object undergoes S.H.M has maximum speed when its displacement from the mean position is	A. maximum B. zero C. half of the maximum value D. one third of the maximum value
12	The current is measured in	A. volts B. watt C. ampere D. ohm
13	Michael Faraday and Joseph Henry belong respectively to	A. USA and England B. England and France C. England and USA D. USA and France E. None of these
14	A condenser of capacity $50 \mu\text{F}$ is charged to 10 V. The energy stored is	A. $1.25 \times 10^{-3} \text{ J}$ B. $3.75 \times 10^{-3} \text{ J}$ C. $2.5 \times 10^{-3} \text{ J}$ D. $5 \times 10^{-3} \text{ J}$
		A. Neon lamp

15	Which one of the following can act approximately as a source of monochromatic light;	B. Fluorescent tube C. Sodium lamp D. None of these
16	Charge on proton is	A. 1.59×10^{-9} C B. 1.59×10^{-7} C C. -1.59×10^{-19} C D. 1.59×10^{-19} C
17	Resistance of a conductor depends upon	A. the quantity of current passing through it B. the voltage applied between its end C. its dimensions, physical state and nature of its material D. all of the above
18	The amplifier which is used to perform mathematical operations electronically is known as	A. calculator B. OP-AMP C. computer D. any one of them
19	The He-Ne laser discharge tube is filled with:	A. 85% He B. 15% He C. 50% He D. 60% He E. 85% Ne
20	Heating effect caused by an electric circuit is written	A. $H = I^2 R t$ B. $H = I^2 R$ C. $H = I R^2 t$ D. $H = I R^2$