

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

Sr	Questions	Answers Choice
1	A proton is about 1840 times heavier than an electron. When it is accelerated by a potential difference of 1 KV, its kinetic energy will be	A. 1840 KeV B. 1/1840 KeV C. 1 KeV D. 920 KeV
2	Frequency of red colour as compared to that of violet colour is	A. Equal B. Smaller C. Greater D. None of these
3	In all natural processes where heat flows from one system to another, there is always a net	A. decrease in entropy B. increase in entropy C. decrease or increase in entropy D. none of them
4	Distance traveled by a body falling from rest in the first, second and third second is in the ratio of	A. 1 : 2 : 3 B. 1 : 3 : 5 C. 1 : 4 : 9 D. None of the above
5	A device used to measure the speed of liquid flow is known as	A. barometer B. speedometer C. sphygmomanometer D. venture-meter
6	0.0001210 has _____ significant figures.	A. Four B. Three C. Seven D. Eight
7	A vector of magnitude 5 N is added to a vector of magnitude 8 N while the orientations are changeable. Range of their possible sum will be very from:	A. Zero to 3 N B. 1 N to 13 N C. 13 N to 3 N D. None of these
8	Some charge is being given to a conductor. Then its potential	A. Is maximum at surface B. Is maximum at centre C. Is remain same throughout the conductor D. Is maximum somewhere between surface and centre
9	A beam of electrons is provided by an	A. electron gun B. Suppray C. Injection D. None of these
10	Which of the following has a great concentration of impurity	A. base B. emitter C. collector D. none of these
11	If n denotes the total number of molecules in cubic vessel such that m is mass of each molecule and l is length of each side of vessel, then $\frac{nm}{l^3}$ gives the:	A. Force B. Density C. Work done D. Pressure
12	Density of fluid is defined as:	A. Its volume to mass ratio B. Product of volume and mass C. Its mass of volume ratio D. None of these
13	Magnetic effect at a point caused due to flow a current depend upon the	A. Quantity of current B. Distance from current C. Both the quantity of current and distance from current element D. None of the all
14	Conventionally, all the distance p , q , f are measured from _____ of the lens:	A. Focus B. Optical center C. Edges D. None of these
		A. Electrical circuit

15	Bernoulli's equation is important in the field of	B. Magnetism C. Photoelectric effect D. Flow of fluids
16	Electromagnetic waves transport:	A. Energy only B. Momentum only C. Both A and B are correct D. None of is correct
17	On the exhaust stroke, the outlet valves opens. The residual gases are expelled and piston moves	A. outwards B. inwards C. in either way D. none of these
18	One kilogram of different substances contain	A. same number of molecules B. different number of molecules C. may be same or different D. none of them
19	In the force applied is parallel to the direction of motion, then work done is:	A. Maximum B. Minimum C. Zero D. None of these
20	The second law of thermodynamics is concerned with the circumstances in which	A. heat can be converted into work B. direction of flow of heat C. none of them D. both of them