

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

Sr	Questions	Answers Choice
1	magnetic field is a:	A. Vector quantity<o:p></o:p> B. Scalar quantity<o:p></o:p> C. Scalar quantity<o:p></o:p> D. Scalar as well as scalar quantity<o:p></o:p> D. Any of (A) or (B)<o:p></o:p> E. Neither (A) nor (B)
2	When the upward drag force of the fluid becomes equal to downward force of gravity of the droplet, then its velocity:	A. Starts increasing B. Starts decreasing C. Becomes constant D. Is called escape velocity
3	Silicon can be obtained from:	A. Lead B. Uranium C. An isotope of oxygen D. Sand
4	The flux through a closed surface depends upon:	A. Shape of geometry of the closed surface<0:p> B. Charge enclosed<0:p> C.

		style= Tont-size: L2.Upt;line-height:107%;font-family: "Times New Roman","serif";mso-fareast-font-family:"Times New Roman";mso-fareast-theme-font: minor-fareast">Both (B) and (C) <o:p></o:p>
5	Viscosity is defined as	A. the friction between fluid and its container's walls B. the internal friction between two layers of fluid C. the resistance to flow a fluid experiences D. the extent to which outside factors effect the fluid's flow
6	The diameter of an atom is of the order	A. 10 ⁻¹²⁵ m B. 10 ⁻¹¹ m C. 10 ⁻¹⁰ m D. 10 ⁻⁹ m
7	When using optical fiber in data transmission, the angle of incidence 0i of the light source on the glass fiber should be.	A. Less than critical angle B. Less than angle of refraction C. Greater than critical angle D. Greather than angle of refraction
8	If the ends of a wire are connected to a battery an electric field E will be set up at:	A. The ends of the wire only<0:p> B. Mid points of the wire only<0:p> C. Every point within the wire<0:p> D. At nodes only<0:p> E. At nodes only<0:p> E.

IU	without of the following type of force can do no work on the particle on without it acis.	C. Electric force D. Centripetal force
14	For a body executing S. H. M, its	A. momentum remains constant B. potential energy remains constant C. kinetic energy remains constant D. total energy remains constant
15	The energy of a photon in a beam of infrared radiation of wavelength 1240 nm is	A. 100 ev B. 10 ⁶ e v C. 10 ³ e v D. 1.0 e v
16	In crystalline solids, atoms are held about their equilibrium positions depending upon the strength of:	A. Adhesive force B. Nuclear forces C. Inter atomic cohesive force D. Electromagnetic force E. None of these
17	When two progressive waves of nearly same frequencies superimpose and give rise to beats, then	A. Frequency of beat changes with time B. Frequency of beat changes with location of observer C. All particles of medium vibrate simple harmonically with frequency equal to the difference between frequencies of component waves D. Amplitude of vibration of particles at any point changes simple harmonically with frequency equal to difference between two component waves
18	The Einstein's changes in length, mass and time are not observed in common life because	A. We dont observer then seriously B. The masses are too large C. Their speed is too small than the speed of right D. All of the above
19	If a material object moves with the speed of light 'C' its mass becomes	A. Equal to its rest mass B. Four times of its rest mass C. Double of its rest mass D. Infinite
20	The force exerted on a conductor of length L, carrying current I when placed in a magnetic field B is given by	A. F=IB/L B. F= L x B/I C. F = IL x B D. F = IL . B