

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

Sr	Questions	Answers Choice
1	Ball pen functions on the principle of	A. Viscosity B. Boyle's law C. Gravitational force D. Surface tension
2	When a wall is pushed by a person very strongly, he has done:	A. Maximum work B. Zero work C. Positive work D. Negative work
3	The liquid which conduct current is known as	A. heating effect B. chemical energy C. electrolyte D. ohm's law
4	1 J = _____?	A. 10^{7} erges B. 10^{-7} erges C. 10^{5} erges D. 10^{-5} erges
5	The inkjet printer eject a thin stream of:	A. Water B. Oil C. Ink D. Any above E. None of these
6	Tick the series which lies in the visible region:	A. Lyman series B. Balmer series C. Paschen series D. Brackett series E. P fund series
7	Resonance occurs when one of the natural frequencies of vibration of the forced or driven harmonic oscillator	A. greater than the frequency of applied force B. equal to the frequency of applied force C. less than the frequency of applied force D. all of them
8	The electric field, magnetic field and the direction of their propagation are mutually	A. perpendicular B. parallel C. none of these
9	A metastable state:	A. Is an excited state B. Is that in which excited electron is stable C. Is that in which excited electron is usually unstable D. Means a time interval of 10^{-8} second E. Both (A) and (C)
10	Range of a projectile is R, when the angle of projection is 30° . Then, the value of the other angle of projection for the same range, is	A. 45° B. 60° C. 50° D. 40°
11	A coil of constant area is placed in a constant magnetic field. An induced current is produced in the coil when:	A. The coil is distorted B. The coil is rotated C. The coil is neither distorted nor rotated D. Both A and B E. None of these
12	The wave form of SHM is	A. Pulsed wave B. Square wave

		C. Triangular wave D. Sine wave
13	The CRO is used for displaying the waveform of a given	A. current B. voltage C. both of them D. none of them
14	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
15	A virtual image is formed when object is placed:	A. Within focal length of a convex lens B. Near the focal point of a concave lens C. Both A and B D. Away from 2F of a convex lens
16	If the instantaneous velocity of a body does not change. the body is said to be moving with	A. average velocity B. uniform velocity C. instantaneous velocity D. variable velocity
17	The unit of spring constant is	A. J-sec B. Metre C. Nm^{-1} D. None of these
18	Flight of rocket in the space is an example of	A. Newton's first law B. Newton's third law C. Newton's second law D. all of them
19	Work has the dimensions as that of	A. Torque B. Angular momentum C. Linear momentum D. Power
20	If an amount of heat enters the system it could	A. decrease the internal energy B. not change the internal energy C. increase the internal energy D. none of them