

## Physics ECAT Pre Engineering MCQ's Test For Full Book

Sr	Questions	Answers Choice
1	The ratio of linear stress/linear strain is called as	A. Yong's modulus B. Bulk modulus C. Shear modulus D. Modulus
2	In the formula $P = N_0KT$ , $N_0$ denotes:	A. Number of molecules per unit per volume B. Number of moles C. Number of molecules D. None of these
3	The induced current in a conductor depends upon	A. Resistance of the loop B. Speed with which the conductor moves C. Any of these D. Both A and B E. None of these
4	The force exerted by the fluid in a hydraulic pump on the piston is $10 \text{ cm}^2$ , the fluid pressure on the piston is, in $\text{N/cm}^2$	A. 20 B. 200 C. 2000 D. 20,000
5	When weight of an object falling freely becomes equal to the drag force, then the body will move with	A. increasing speed B. decreasing speed C. constant speed D. none of them
6	An ordinary glass gradually softens into a 'paste -like' state before it becomes a very viscous liquid. It happens almost at:	A. $800^\circ\text{C}$ B. $500^\circ\text{C}$ C. $300^\circ\text{C}$ D. $100^\circ\text{C}$ E. None of these
7	The band above the valence band is called	A. high energy band B. conduction band C. empty band D. none of them
8	The kinetic energy of one molecule of a gas at normal temperature and pressure will be ( $k = 8.31 \text{ J/mole K}$ ) :	A. $1.7 \times 10^3 \text{ J}$ B. $10.2 \times 10^3 \text{ J}$ C. $3.4 \times 10^3 \text{ J}$ D. $6.8 \times 10^3 \text{ J}$
9	The waves produced in a microwave oven have frequency	A. 2450 Hz B. 2450 K Hz C. 2450 M Hz D. 2450 G Hz
10	Slope of velocity-time graph represents:	A. Acceleration B. Speed C. Torque D. Work
11	The internal pressure of the blood is	A. less than the external atmospheric pressure B. greater than the external atmospheric pressure C. equal to the external atmospheric pressure D. none of them
12	The product of force and time is called	A. acceleration B. linear momentum C. angular momentum D. impulse
13	To sources are said to be coherent if they have:	A. Same amplitude B. Same wavelength C. Definite phase relation with each other D. None of them
14	Arsenic, antimony and phosphorus are the elements from	A. third group B. fourth group

14	According to the Bernoulli's equation, where the speed of the fluid is high, the pressure will be	<p>C. fifth group D. none of them</p>
15	According to the Bernoulli's equation, where the speed of the fluid is high, the pressure will be	<p>A. low B. zero C. high D. all of them</p>
16	Structure of the nucleus was explained by	<p>A. J.J Thomson B. Bohr C. Millikan D. Rutherford</p>
17	The wave motion set up in any medium depends upon:	<p>A. Elasticity B. Inertia C. Density D. All of these</p>
18	Force is a:	<p>A. Scalar quantity B. Base quantity C. Derived quantity D. None of these</p>
19	The way through which electromagnetic radiations or photons interact with matter depends upon their:	<p>A. Wavelength B. Frequency C. Energy D. Temperature E. All of these</p>
20	Adiabatic change occurs when the gas	<p>A. expands B. compressed C. expands or compressed D. expands or compressed rapidly</p>