

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

Sr	Questions	Answers Choice
1	The practical application of the phenomenon of Mutual induction is	A. Transformers B. Generator C. Motor D. All of these
2	If the formula PV = nRT, n denotes:	A. Number of molecules per unit volume B. Number of moles C. Number of molecules D. None of these
3	A body moves a distance of 10 m along a straight line under the action of a force of 5 N and work done is 25J. The angle which the force makes the direction of motion will be:	A. 60

9	The unit of intensity of electric field is	B. jule/coluomb C. volt x metre D. newton/metre
10	The electrons occupying the conduction band are known as	A. conduction electrons B. free electrons C. both of them D. none of them
11	The force acting on a charge moving in a magnetic field	A. is perpendicular to the both magnetic field and direction of motion B. is proportional to the magnetic of charges C. vanishes when the motion is directly opposite to the direction of field D. all of the above
12	The open loop gain of OP-AMP is of the order of	A. 10 <sup>2</sup> B. 10 <sup>3</sup> C. 10 <sup>4</sup> D. 10 <sup>5</sup>
13	The smallest three dimensional basic structure in a crystalline solid is called	A. lattice point B. crystal lattice C. cubic crystal D. unit cell
14	Coulomb's force between two point charges depends upon	A. Magnitude of charges B. Distance between them C. Medium in which they are located D. All of the above
15	Work has the dimensions as that of	A. Torque B. Angular momentum C. Linear momentum D. Power
16	Acceleration of a body is positive, if the velocity of the body is	A. constant B. increasing C. decreasing D. none of them
17	The relation between charge 'Q' and current 'I' is given by	A. Q = I/t B. Q = It C. Q = I <sup>2</sup> t D. Q = I <sup>2</sup> /t
18	Heat required to raise the temperature of one mole of a gas through 1 K at constant pressure is called	A. heat capacity B. specific heat capacity C. specific heat at constant volume D. specific heat at constant pressure
19	Which one of the least multiple:	A. Pico B. Femto C. Nano D. Atto
20	Wien's constant is measured in:	A. Metre per kelviin B. Metre kelvin C. Kelvin per meter D. Joules E. Dynes