

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

Sr	Questions	Answers Choice
SI	QUESLIONS	
1	The motion of molecules in gases is:	A. Orderly B. Random C. Circular D. All of these
2	Electrolysis is the study of conduction of electricity through:	A. Solids B. Liquids C. Gases D. Plasma
3	Unit of impulse in	A. Newton B. Kg m C. Kg m/s D. Joule
4	Average KE of a gas molecule has:	A. Direct relation with absolute temperature and inverse relation with pressure B. Direction relation with both absolute temperature and pressure C. Inverse relation with both absolute temperature and pressure D. None of these
5	Smaller the damping, greater will be the	A. frequency B. wavelength C. amplitude D. none of them
6	The motional e.m.f depends upon the	A. Length of a conductor     B. Strength of a magnet     C. Speed of the conductor     D. All of the above
7	The idea of quantization of energy was proposed by:	A. Einstein B. Max.Planck C. Maxwell D. Bohr E. Rutherford
8	The force experienced by a single charge carrier moving with velocity 'v' i magnetic field of strength 'B' is given by	A. F =q(v/B) B. F=q <sup>2</sup> (v x B) C. F=q(v x B) D. F= vx B
9	Waves transport energy	A. without transport energy B. with matter C. both of them D. none of them
10	Work done is lowering the bucket into the well is:	A. Zero B. Positive C. Negative D. None of these
11	The angle between centripetal force and displacement of the body moving in a circle is:	A. 0 <span style="font-size: 10.5pt; line-height: 107%; font-family: Arial, sans-serif; background-image: initial; background-position: initial; background-repeat: initial; background-attachment: initial; background-origin: initial; background-clip: initial; background-clip: initial; background-size: 10.5pt; line-height: 107%; font-family: Arial, sans-serif; background-image: initial; background-size: initial; background-repeat: initial; background-attachment: initial; background-attachment: initial; background-origin: initial; background-clip: initial;">°</span> C. 180

		sans-serir; packground-image: initial; background-position: initial; background-size: initial; background-repeat: initial; background-attachment: initial; background-origin: initial; background-clip: initial;">° D. None of these
12	The space around the earth within which it expects a force of attraction on other bodies is known as:	<ul><li>A. Nuclear field</li><li>B. Conservative field</li><li>C. Electric field</li><li>D. Gravitational field</li></ul>
13	The crystalline structure of NaCl is	A. rectangular B. hexagonal C. tetrahedral D. cubical
14	For a fixed force, larger is the mass of a body the	A. greater is its acceleration     B. smaller is its acceleration     C. smaller is its weight     D. zero is its acceleration
15	The branch of physics, which deals with the structure an properties of solids is called:	A. Plasma physics B. Solid state physics C. Any of above D. Astro physics
16	Acceleration of body executing SHM is always directed towards	<ul><li>A. Extreme position</li><li>B. Mean position</li><li>C. Along the direction of motion</li><li>D. None</li></ul>
17	Energy gas behaves like an ideal gast at	A. High temperature and low pressure B. Low temperature and high pressure C. Both A and B D. None
18	During each cycle, alternating voltage reaches a peak value	A. One time B. Two times C. Four times D. A number of times depending on the frequency
19	When low energy photon interact with a metal, which of the following effect is likely to be taken place	A. pair production B. photoelectric C. Compton effect D. None of these
20	It is impossible to devise a processes which may convert heat, extracted from a single reservoir, entirely into work without leaving any change in the working system. This is the statement of	A. Clausius statement of second law     B. Kelvin'sstatement of second law     C. Clausius statement of first law     D. Kelvin's statement of first law