

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

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Sr	Questions	Answers Choice
1	According to the Bernoulli's theorem the pressure velocity are	A. equal to each other B. proportional to each other C. inversely proportional to each other D. none of them
2	A labourer carrying a distance a load on his head moves from rest on a horizontal road to another point where he comes to rest. He has done:	A. Minimum work B. <div>Maximum work</div> C. Zero work D. Negative work
3	The emf is measured in:	A. Newton B. Volt C. J/C D. Both A and B E. Both B and C
4	When sound waves travel from air to water which of these remains constant?	A. Velocity B. Frequency C. Wavelength D. All the above
5	The behaviour of gases is well accounted by the kinetic theory based on	A. microscopic approach B. macroscopic approach C. both of them D. none of them
6	In YDS experiment, fringe spacing means the distance between two consecutive fringes	A. Bright B. Dark C. Any of A or B D. None of these
7	When the particles of the medium vibrate about their mean position, along the direction of the motion of waves, then the waves are called:	A. Longitudinal waves B. Transverse waves C. Water waves D. Complex waves
		A. a body placed on the surface of earth
8	Which of the following is not an example of intertial frame	B. a body placed in a car moving with uniform velocity C. a body placed in a car moving with same acceleration D. none of these
9	Which of the following is not an example of intertial frame  The rate of change of momentum of a molecule is equal to:	uniform velocity C. a body placed in a car moving with same acceleration
		uniform velocity C. a body placed in a car moving with same acceleration D. none of these A. Pressure B. Work C. Density
9	The rate of change of momentum of a molecule is equal to:	uniform velocity C. a body placed in a car moving with same acceleration D. none of these  A. Pressure B. Work C. Density D. Force  A. Compton effect B. Photoelectric effect C. Pair-production
9	The rate of change of momentum of a molecule is equal to:  γ-rays behave like a particle because they explain the	uniform velocity C. a body placed in a car moving with same acceleration D. none of these  A. Pressure B. Work C. Density D. Force  A. Compton effect B. Photoelectric effect C. Pair-production D. all the above  A. water B. gasoline C. honey
9 10 11	The rate of change of momentum of a molecule is equal to: γ-rays behave like a particle because they explain the Which of the following has the greatest coefficient of viscosity?	uniform velocity C. a body placed in a car moving with same acceleration D. none of these  A. Pressure B. Work C. Density D. Force  A. Compton effect B. Photoelectric effect C. Pair-production D. all the above  A. water B. gasoline C. honey D. tar  A. 9.8 Kg B. 2 kg C. 4 Kg D. 1 Kg  A. p-type semi-conductor

The SI unit of flux density is.	A. Tesla B. Weber C. Gaun D. Weber/meter
We can express the work in term of	A. directly measurable variables B. indirectly measurable variables C. either of them D. both of them
Which one of the following can act approximately as a source of monochromatic light;	A. Neon lamp B. Fluorescent tube C. Sodium lamp D. None of these
A conducting wire is drawn to double its length. Final resistivity of the material will be	<ul><li>A. Double of the original one</li><li>B. Half of the original one</li><li>C. One fourth of the original one</li><li>D. Same as original one</li></ul>
The direction of a vector in space requires:	A. X-axis B. X and Y-axes C. XYZ axes D. Y and Z-axes
A square loop of wire is moving through a uniform magnetic field. The normal to the loop is oriented parallel to the magnetic field. The emf induced in the loop is:	A. Zero B. Of smaller magnitude C. Of larger magnitude D. Sometimes B, sometimes C E. Neither of these
	We can express the work in term of  Which one of the following can act approximately as a source of monochromatic light;  A conducting wire is drawn to double its length. Final resistivity of the material will be  The direction of a vector in space requires:  A square loop of wire is moving through a uniform magnetic field. The normal to the loop is