

## Physics ECAT Pre Engineering Chapter 1 Measurement Online Test

Sr	Questions	Answers Choice
1	Which quantity has different dimension:	A. Work B. Pressure C. Energy D. Torque
2	Addition of 2.189 kg, 11.8 kg and 5.32 kg gives the rounded off answer as:	A. 19.398 B. 19.400 C. 19.4 D. 19.3
3	Significant figures in 0.0010 are:	A. Four B. Three C. Two D. One
4	Which one is the least multiple:	A. Pico B. Femto C. Nano D. Atto
5	1 gm-cm <sup>-3</sup> is equal to:	A. 10 <sup>3</sup> kg-m <sup>-3</sup> B. 10 <sup>-3</sup> kg-m <sup>-3</sup> C. 1 kg-m <sup>-3</sup> D. 10 <sup>6</sup> kg-m <sup>-3</sup>
6	Light year is a unit of:	A. Time B. Distance C. Velocity D. Intensity of light
7	Relativistic mechanics is a branch of physics, which deal with the bodies moving with velocities:	A. More than c B. Approaching c C. Equal to c D. Much less than x
8	The branch of physics, which deals with the structure and properties of solids is called:	A. Plasma physics B. Solid state physics C. Any of above D. Astro physics
9	Density is defined as:	A. Mass per volume B. Volume per mass C. Mass x volume D. Mass per length
10	High energy physics is branch of physics, which deals with:	A. Stars and galaxies B. Sub-atomic particles C. Light and sound D. Molecules
11	In the equation $E=mc^2$ value of c is:	A. 1,86,000 miles per hour B. 1,86,000 miles per sec C. $3 \times 10^8$ m/sec D. Both A and C E. Both B and C
12	From sand, we get a material used for construction of computer chips. That material is called:	A. Germanium B. Silicon C. Copper D. Lead
13	The branch of physics which is mainly concerned with the motion of bodies under the action of forces is called:	A. Optics B. Mechanics C. Thermodynamics D. Astro physics
14	Electron is a particle whose mass is:	A. Greater than that of a proton B. Smaller than that of a proton C. Smaller than that of a proton or a neutron D. Greater than that of an atom

15

Aerodynamics is a branch of:

- A. Hydrodynamics
- B. Thermodynamics
- C. Both of them
- D. Statics