

## Physics ECAT Pre Engineering Chapter 1 Measurement

Sr	Questions	Answers Choice
1	The mechanics, which deals with the objects moving with velocities approaching that of light is called	A. Relativistic mechanics B. Wave mechanics C. Quantum mechanics D. Statics
2	Which of the following are the units of intensity of light	A. Pois B. Lux C. Siemen D. Candela
3	The maximum possible error in the reading for a meter rod with least count 1 mm is:	A. 0.005 mm B. 0.05mm C. 0.5mm D. 5.0mm
4	Number of supplementary units are	A. Three B. Two C. Seven D. Five
5	Silicon can be obtained from:	A. Lead B. Uranium C. An isotope of oxygen D. Sand
6	Significant figures in 0.0010 are:	A. Four B. Three C. Two D. One
7	In the equation E=mc <sup>2</sup> value of c is:	A. 1,86,000 miles per hour B. 1,86,000 miles per sec C. 3 X 10 <sup>8</sup> m/sec D. Both A and C E. Both B and C
8	Astrophysics is a branch of physics, which deals with	A. Sub-atomic B. Stars and galaxies C. Light and sound D. Music
9	From sand, we get a material used for construction with the motion of bodies under the action of forces is called:	A. Optics B. Mechanics C. Thermodynamics D. Astrophysics
10	Which quantity has different dimensions:	A. Work B. Pressure C. Energy D. Torque
11	At the present time, the main frontiers of fundamental science are	A. 2 B. 3 C. 4 D. 5
12	The body of physics involves	A. Structure of space and time B. Interaction of electromagnetic radiation with matter C. Both of them D. Chemical Changes
13	Which one is the least multiple	A. Pico B. Femto C. Nano D. Atto
14	Diameter of the atom is of the order of	A. 10 <sup>-10</sup> m B. 10 <sup>-12</sup> m C. 10 <sup>-15</sup> m D. 10 <sup>-9</sup> m
15	If the absolute uncertainty of an instrument is 0.0a1 cm, then its least count will be :	A. 0.005 cm B. 0.01 cm C. 0.02 cm

		D. 0.001 cm
16	Examples of physical quantities are:	A. Length B. Color C. Effect of music D. All of these
17	The time taken by light to travel from moon to earth is:	A. 80 sec B. 500 sec C. 1.802 X 10 <sup>4</sup> sec D. Aerophysics
18	The definite number of significant figures in 5000 is:	A. Four B. Three C. Two D. One
19	Particles have the mass smallest of following is:	A. Electron B. Proton C. Neutron D. Quark
20	The branch of physics which concerned with the ultimate particles of which the universe is composed is known as	A. SolidState physics B. Particle Physics C. Nuclear Physics D. Atomic Physics