ECAT Physics Chapter 1 Measurements

Sr	Questions	Answers Choice
1	dimensions are the same for:	A. Work and energy B. Force and weight C. None of these D. Both a and b
2	Aerodynamics is a branch of	A. Hydrodynamics B. Thermodynamics C. Both of them D. Statics
3	Aerodynamics is a branch of:	A. Hydrodynamics B. Thermodynamics C. Both of them D. Statics
4	Computer chips are made from	A. Conductors B. Semiconductors C. Insulators D. Both A and B
5	Significant figures in 0.0010 are:	A. Four B. Three C. Two D. One
6	Those quantities which can be measured accurately are known as	A. Physical Quantities B. Scalar Quantities C. Vector Quantities D. Non Physical Quantities
7	The mechanics, which deals with the objects moving with velocities approaching that of light is called:	A. Relativistic mechanics B. Wave mechanic C. Quantum mechanics D. Statics
8	Addition of 2.189 kg, 0.089 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
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10	Branch of physics which deals with the study of stars and galaxies is called:	A. Solid state physics B. Astrophysics C. Molecular physics D. Chemical physics
11	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
12	Uncertainty is of following type/types:	A. Absolute B. Fractional C. Percentage D. All of these
13	Diameter of the nucleus s of the order of	A. 10⁻¹⁰m B. 10⁻¹²m C. 10⁻¹⁵m D. 10⁻¹⁸m
14	In the equation $E=mc^2$ value of c is?	A. 186000 miles per hour B. 186000 miles per sec C. 3 X 10⁸m/sec D. Both A and C E. Both B and C
15	Which of the following are the units of intensity of light	A. Pois B. Lux C. Siemen

		D. Candela
16	Which one is the least multiple:	A. Pico B. Femto C. Nano D. Atto
17	The time taken by light to travel from moon to earth is:	A. 80 sec B. 500 sec C. 1.802 X 10⁴sec D. Aerophysics
18	Density is defined as:	A. Mass per volume B. Volume per mass C. Mass X volume D. Mass per length
19	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
20	Dimension of mass is written as:	A. M B. [M] C. (M) D. [m]