

ECAT Physics Chapter 1 Measurements

Sr	Questions	Answers Choice
1	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. 3×10^8 m/sec D. Both A and C E. Both B and C
2	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
3	For multiplication and division purposes, percentage uncertainties are:	A. Add B. subtracted C. Multiplied D. Divided
4	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
5	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
6	Silicon can be obtained from	A. Lead B. Uranium C. An isotope of oxygen D. Sand
7	Particles have the mass smallest of following is:	A. Electron B. Proton C. Neutron D. Quark
8	The maximum possible error in the reading of an instrument is _____ its least count.	A. Half of B. Quarter of C. Equal to D. Double than
9	Astrophysics is a branch of physics, which deals with:	A. Sub-atomic particles B. Stars and galaxies C. Light and sound D. Music
10	The error may occur due to:	A. Negligence B. Faulty apparatus C. Inappropriate method D. all of these
11	A dimension stands for the _____ nature of certain physical quantity.	A. super B. Quantitative C. Qualitative D. Both B and C
12	The principle characteristics of an ideal standard are	A. Inaccessible and Invariable B. Accessible and Invariable C. Accessible and Variable D. None of these
13	Diameter of the atom is of the order of	A. 10^{-10} m B. 10^{-12} m C. 10^{-15} m D. 10^{-9} m
14	Physics details with the study of:	A. Matter B. Energy C. Both of them D. Human body
15	The machines which deals with the objects moving with velocities approaching that of light is called:	A. Relativistic mechanics B. Wave mechanics C. Quantum

16	Light year is a unit of:	A. Time B. Distance C. Velocity D. Intensity of light
17	Aerodynamics is a branch of	A. Hydrodynamics B. Thermodynamics C. Both of them D. Statics
18	Physics is one of the branches of:	A. Social sciences B. Physical sciences C. Biological sciences D. Abstract art
19	Diameter of the nucleus s of the order of	A. 10^{-10} m B. 10^{-12} m C. 10^{-15} m D. 10^{-18} m
20	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
