

ECAT Physics Chapter 1 Measurements

Sr	Questions	Answers Choice
1	The quantity have dimension of ML^2T^{-2} will have SI unit of:	A. Watt B. Newton C. Joule D. Metre
2	Light year is a unit of	A. Time B. Distance C. Velocity D. Intensity of light
3	Particles have the mass smallest of following is:	A. Electron B. Proton C. Neutron D. Quark
4	Those quantities which can be measured accurately are known as	A. Physical Quantities B. Scalar Quantities C. Vector Quantities D. Non Physical Quantities
5	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
6	From sand, we get a material used for construction of computer chips. That material is called:	A. Germanium B. Silicon C. Copper D. Lead
7	Aerodynamics is a branch of:	A. Hydrodynamics B. Thermodynamics C. Both of them D. Statics
8	Silicon can be obtained from	A. Lead B. Uranium C. An isotope of oxygen D. Sand
9	The time taken by light to travel from moon to earth is:	A. 80 sec B. 500 sec C. 1.802×10^4 sec D. Aerophysics
10	Significant figures in 0.0010 are:	A. Four B. Three C. Two D. One
11	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
12	Radio telescope is used to gather information from	A. Earth B. Moon only C. Far side of the universe D. Sea water
13	A dimension stands for the _____ nature of certain physical quantity.	A. super B. Quantitative C. Qualitative D. Both B and C
14	Physics is one of the branches of:	A. Social sciences B. Physical sciences C. Biological sciences D. Abstract art
15	The error may occur due to:	A. Negligence B. Faulty apparatus C. Inappropriate method D. All of these

D. all of these

16	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
17	The system international (SI) is built from _____ kind of unites	A. Two B. Three C. Four D. Five
18	The branch of physics which deals with the properties of fundamental particles is called:	A. High energy physics B. Molecular physics C. Astrophysics D. Space physics
19	Number of supplementary units are	A. Three B. Two C. Seven D. Five
20	Light year is a unit of:	A. Time B. Distance C. Velocity D. Intensity of light