

ECAT Physics Chapter 1 Measurements

Sr	Questions	Answers Choice
1	The quantity have dimension of ML^2T^02 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

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- 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
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- 17 The system international (SI) is built from _____ kind of unites
- A. Two
B. Three
C. Four
D. Five
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- 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
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- 19 Number of supplementary units are
- A. Three
B. Two
C. Seven
D. Five
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- 20 Light year is a unit of:
- A. Time
B. Distance
C. Velocity
D. Intensity of light
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