

Physics ECAT Pre Engineering Chapter 1 Measurement

Sr	Questions	Answers Choice
1	The system international (SI) is built from _____ kind of unites	A. Two B. Three C. Four D. Five
2	The error may occur due to:	A. Negligence B. Faulty apparatus C. Inappropriate method D. all of these
3	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
4	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
5	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
6	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
7	Density is defined as:	A. Mass per volume B. Volume per mass C. Mass x volume D. Mass per length
8	1 gm-cm^{-3} is equal to	A. 10^3 kg-m^{-3} B. $10^{-3} \text{ kg-m}^{-3}$ C. 1 kg-m^{-3} D. 10^6 kg-m^{-1}
9	Which quantity has different dimension?	A. Tension B. Work C. Energy D. Torque
10	From sand, we get a material used for construction of computer chips. That material is called:	A. Germanium B. Silicon C. Copper D. Lead
11	dimensions are the same for:	A. Work and energy B. Force and weight C. None of these D. Both a and b
12	Which branch of physics deals with the structure and properties of solids	A. Atomic Physics B. Plasma Physics C. Molecular Physics D. Solid state physics
13	At the present time, the main frontiers of fundamental science are	A. 2 B. 3 C. 4 D. 5
14	The definite number of significant figures in 5000 is:	A. Four B. Three C. Two D. One

15 Silicon can be obtained from:
A. Lead
B. Uranium
C. An isotope of oxygen
D. Sand

16 A dimension stands for the _____ nature of certain physical quantity.
A. super
B. Quantitative
C. Qualitative
D. Both B and C

17 0.0001210 has _____ significant figures.
A. Four
B. Three
C. Seven
D. Eight

18 Relativistic mechanics is a branch of physics, which deal with the bodies moving with velocities:
A. More then c
B. Approaching c
C. Equal to c
D. Much less than x

19 Dimension of mass is written as:
A. M
B. [M]
C. (M)
D. [m]

20 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
