ECAT Pre General Science Physics Chapter 1 Measurements Online Test

Sr	Questions	Answers Choice
1	Which quantity has different dimension?	A. Tension B. Work C. Energy D. Torque
2	dimensions are the same for:	A. Work and energy B. Force and weight C. None of these D. Both a and b
3	Dimension of mass is written as:	A. M B. [M] C. (M) D. [m]
4	A dimension stands for the _____ nature of certain physical quantity.	A. super B. Quantitative C. Qualitative D. Both B and C
5	The maximum possible error in the reading for a meter rod with least count 1 mm is:	A. 0.005 mm B. 0.05mm C. 0.5mm D. 5.0mm
6	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
7	For multiplication and division purposes, percentage uncertainties are:	A. Add B. subtracted C. Multiplied D. Divided
8	For addition and subtraction purposes, absolute uncertainties are:	A. Added B. Subtracted C. Multipiled D. Divided
9	Uncertainty is of following type/types:	A. Absolute B. Fractional C. Percentage D. All of these
10	The error may occur due to:	A. Negligence B. Faulty apparatus C. Inappropriate method D. all of these
11	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
12	The definite number of significant figures in 5000 is:	A. Four B. Three C. Two D. One
13	Significant figures in 0.2020 are:	A. Two B. Three C. Four D. Five
14	0.0001210 has _____ significant figures.	A. Four B. Three C. Seven D. Eight
15	The branch of physics which deals with the structure and properties of solids is called:	A. Plasma physics B. Solid state physics C. Any of above D. Astrophysics

16	Density is defined as:	A. Mass per volume B. Volume per mass C. Mass X volume D. Mass per length
17	Examples of physical quantities are:	A. Length B. Color C. Effect of music D. All of these
18	In the equation $E=mc^2$ value of c is?	A. 186000 miles per hour B. 186000 miles per sec C. 3×10^8 m/sec D. Both A and C E. Both B and C
19	From sand, we get a material used for construction of computer chips. That material is called:	A. Copper B. Lead C. Silicon D. Germanium
20	From sand, we get a material used for construction with the motion of bodies under the action of forces is called:	A. Optics B. Mechanics C. Thermodynamics D. Astrophysics
21	Electron is a particle whose mass is:	A. Greater than that of a proton B. Smaller than of a proton and greater than mass of neutron C. Smaller than that of proton or neutron D. Greater than that of an atom
22	Physics is one of the branches of:	A. Social sciences B. Physical sciences C. Biological sciences D. Abstract art
23	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
24	Silicon can be obtained from:	A. Lead B. Uranium C. An isotope of oxygen D. Sand
25	Particles have the mass smallest of following is:	A. Electron B. Proton C. Neutron D. Quark
26	The machines which deals with the objects moving with velocities approaching that of light is called:	A. Relativistic mechanics B. Wave mechanics C. Quantum D. Statics mechanics
27	Astrophysics is a branch of physics, which deals with:	A. Sub-atomic particles B. Stars and galaxies C. Light and sound D. Music
28	The information from far side of the universe are gathered by:	A. Radio telescope B. Microscope C. Telescope D. Spectro scope
29	The study of physics involves?	A. Structure of space and time B. Interaction of electromagnetic radiation with matter C. Both of them D. Chemical changes E. None of them
30	The quantity having dimension of ML^2T^{02} will earth is:	A. 80 sec B. 500 sec C. 1.802×10^4 sec D. Aerophysics