

ECAT Pre General Science Physics Chapter 1 Measurements

Sr	Questions	Answers Choice
SI	Questions	
1	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
2	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
3	The instrument used to gather information form the far side of the universe is	A. Compound microscope B. Radio telescope C. Astronomical Telescope D. Simple microscope
4	The principle characteristics of an ideal standard are	A. Inaccessible and Invariable B. Accessible and Invariable C. Accessible and Variable D. None of these
5	Light year is a unit of:	A. Time B. Distance C. Velocity D. Intensity of light
6	1 gm-cm ⁻³ is equal to:	A. 10 ³ kg-m ^{- 3} B. 10 ⁻³ kg-m ^{- 3} C. 1 kg-m ⁻³ D. 10 ⁶ kg-m ^{- 1}
7	Particles have the mass smallest of following is	A. Electron B. Proton C. Neutron D. Quark
8	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
9	Dimension of mass is written as:	A. M B. [M] C. (M) D. [m]
10	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 X 10 ⁸ m/sec D. Both A and C E. Both B and C
11	Physical quantities are often divided into categories	A. 3 B. 2 C. 9 D. 5
12	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
		A. 186000 miles per hour B. 186000 miles per sec
13	In the equation E=mc ² value of c is?	C. 3 X 10 ⁸ m/sec D. Both A and C E. Both B and C
14	Which one of the least multiple:	A. Pico B. Femto C. Nano D. Atto

15	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
16	Significant figures in 0.0010 are:	A. Four B. Three C. Two D. One
17	The quantity have dimension of ML^2T^{02} will have SI unit of:	A. Watt B. Newton C. Joule D. Metre
18	The information from far side of the universal are gathered by:	A. Radio telescope B. Microscope C. Telescope D. Spectro scpe
19	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
20	1 gm-cm ⁻³ is equal to	A. 10 ³ kg-m ³ B. 10 ⁻³ kg-m ⁻³ C. 1kg-m ⁻³ D. 10 ⁶ kg-m ⁻¹