

Physics ECAT Pre Engineering Chapter 1 Measurement

Sr	Questions	Answers Choice
1	Examples of physical quantities are:	A. Length B. Color C. Effect of music D. All of these
2	Computer chips are made from	A. Conductors B. Semiconductors C. Insulators D. Both A and B
3	From sand, we get a material used for construction of computer chips. That material is called:	A. Germanium B. Silicon C. Copper D. Lead
4	The error may occur due to:	A. Negligence B. Faulty apparatus C. Inappropriate method D. all of these
5	Distance to nearest galaxy from earth is	A. 10^{10} m B. 10^{15} m C. 10^{40} m D. 10^{30} m
6	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}
7	Density is defined as:	A. Mass per volume B. Volume per mass C. Mass x volume D. Mass per length
8	Diameter of the nucleus is of the order of	A. 10^{-10} m B. 10^{-12} m C. 10^{-15} m D. 10^{-18} m
9	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
10	Physics deals with the study of	A. Matter B. Energy C. Both of them D. Human Body
11	dimensions are the same for:	A. Work and energy B. Force and weight C. None of these D. Both a and b
12	The information from far side of the universe are gathered by:	A. Radio telescope B. Microscope C. Telescope D. Spectro scope
13	The quantity have dimension of ML^2T^{02} will have SI unit of:	A. Watt B. Newton C. Joule D. Metre
14	Dimension of mass is written as:	A. M B. [M] C. (M) D. [m] E. Sub-atomic

15	Astrophysics is a branch of physics, which deals with	B. Stars and galaxies C. Light and sound D. Music
16	The instrument used to gather information from the far side of the universe is	A. Compound microscope B. Radio telescope C. Astronomical Telescope D. Simple microscope
17	Which quantity has different dimension?	A. Tension B. Work C. Energy D. Torque
18	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
19	Radio telescope is used to gather information from	A. Earth B. Moon only C. Far side of the universe D. Sea water
20	Particles have the mass smallest of following is:	A. Electron B. Proton C. Neutron D. Quark