

Physics ECAT Pre Engineering Chapter 1 Measurement

Sr	Questions	Answers Choice
1	Which quantity has different dimension:	A. Work B. Pressure C. Energy D. Torque
2	1 gm-cm ⁻³ is equal to:	A. 10^3 kg-m ⁻³ B. 10^{-3} kg-m ⁻³ C. 10^{-6} kg-m ⁻³ D. 10^6 kg-m ⁻³
3	The body of physics involves	A. Structure of space and time B. Interaction of electromagnetic radiation with matter C. Both of them D. Chemical Changes
4	Light year is a unit of:	A. Time B. Distance C. Velocity D. Intensity of light
5	The system international (SI) is built from _____ kind of unites	A. Two B. Three C. Four D. Five
6	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
7	Particles have the mass smallest of following is	A. Electron B. Proton C. Neutron D. Quark
8	dimensions are the same for:	A. Work and energy B. Force and weight C. None of these D. Both a and b
9	Physical quantities are often divided into _____ categories	A. 3 B. 2 C. 9 D. 5
10	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
11	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
12	Number of supplementary units are	A. Three B. Two C. Seven D. Five
13	Significant figures in 0.0010 are:	A. Four B. Three C. Two D. One
14	From sand, we get a material used for construction of computer chips. That material is	A. Germanium B. Silicon

called:

C. Copper
D. Lead

15 Astrophysics is a branch of physics, which deals with:

A. Sub-atomic particles
B. Stars and galaxies
C. Light and sound
D. Music

16 The error may occur due to:

A. Negligence
B. Faulty apparatus
C. Inappropriate method
D. all of these

17 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

18 Density is defined as:

A. Mass per volume
B. Volume per mass
C. Mass X volume
D. Mass per length

19 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

20 Radio telescope is used to gather information from

A. Earth
B. Moon only
C. Far side of the universe
D. Sea water