

## Physics ECAT Pre Engineering Chapter 1 Measurement

Sr	Questions	Answers Choice
1	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
2	1 gm-cm <sup>-3</sup> is equal to	A. $10^{-3}$ kg-m <sup>-3</sup> B. $10^{-3}$ kg-m <sup>-3</sup> C. 1kg-m <sup>-3</sup> D. $10^{-6}$ kg-m <sup>-1</sup>
3	The time taken by light to travel from moon to earth is:	A. 80 sec B. 500 sec C. $1.802 \times 10^{-4}$ sec D. Aerophysics
4	From sand, we get a material used for construction of computer chips. That material is called:	A. Germanium B. Silicon C. Copper D. Lead
5	Astrophysics is a branch of physics, which deals with:	A. Sub-atomic particles B. Stars and galaxies C. Light and sound D. Music
6	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. Astro physics
7	Number of supplementary units are	A. Three B. Two C. Seven D. Five
8	The definite number of significant figures in 5000 is:	A. Four B. Three C. Two D. One
9	Which one of the least multiple:	A. Pico B. Femto C. Nano D. Atto
10	The information from far side of the universe are gathered by:	A. Radio telescope B. Microscope C. Telescope D. Spectro scope
11	Dimension of mass is written as:	A. M B. [M] C. (M) D. [m]
12	Density is defined as:	A. Mass per volume B. Volume per mass C. Mass x volume D. Mass per length
13	Diameter of the atom is of the order of	A. $10^{-10}$ m B. $10^{-12}$ m C. $10^{-15}$ m D. $10^{-9}$ m
14	From sand, we get a material used for construction of computer chips. That material is called:	A. Copper B. Lead C. Silicon D. Germanium

- 15 A dimension stands for the \_\_\_\_\_ nature of certain physical quantity.  
A. super  
B. Quantitative  
**C. Qualitative**  
D. Both B and C
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- 16 Physical quantities are often divided into \_\_\_\_\_ categories  
A. 3  
**B. 2**  
C. 9  
D. 5
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- 17 Which one is the least multiple  
A. Pico  
B. Femto  
C. Nano  
**D. Atto**
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- 18 Light year is a unit of  
A. Time  
**B. Distance**  
C. Velocity  
D. Intensity of light
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- 19 Particles have the mass smallest of following is  
A. Electron  
B. Proton  
C. Neutron  
**D. Quark**
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- 20 Significant figures in 0.0010 are:  
A. Four  
B. Three  
**C. Two**  
D. One