

## Physics ECAT Pre Engineering Chapter 1 Measurement

Sr	Questions	Answers Choice
1	For addition and subtraction purposes, absolute uncertainties are:	A. Added B. Subtracted C. Multipiled D. Divided
2	Which one is the least multiple:	A. Pico B. Femto C. Nano D. Atto
3	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
4	Silicon can be obtained from:	A. Lead     B. Uranium     C. An isotope of oxygen     D. Sand
5	Branch of physics which deals with the study of stars and galaxies is called:	<ul><li>A. Solid state physics</li><li>B. Astrophysics</li><li>C. Molecular physics</li><li>D. Chemical physics</li></ul>
6	Total number of base units are	A. Three B. Five C. Seven D. Nine
7	Significant figures in 0.2020 are:	A. Two B. Three C. Four D. Five
8	The time taken by light to travel from moon to earth is:	A. 80 sec B. 500 sec C. 1.802 X 10 <sup>4</sup> sec D. Aerophysics
9	Computer chips are made from	A. Conductors B. Semiconductors C. Insulators D. Both A and B
10	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
11	Particles have the mass smallest of following is:	A. Electron B. Proton C. Neutron D. Quark
12	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
13	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
14	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
15	Which one is the least multiple	A. Pico B. Femto C. Nano

		D. Atto
16	For multiplication and division purposes, percentage uncertainties are:	A. Add B. subtracted C. Multiplied D. Divided
17	1 gm-cm <sup>-3</sup> is equal to:	A. 10 <sup>3</sup> kg-m <sup>-3</sup> B. 10 <sup>-3</sup> kg-m <sup>-3</sup> C. 1 kg-m <sup>-3</sup> D. 10 <sup>6</sup> kg-m <sup>-1</sup>
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19	The information from far side of the universe are gathered by	A. Radio telescope B. Microscope C. Telescope D. Spectro scpe
20	Aerodynamics is a branch of	A. Hydrodynamics B. Thermodynamics C. Both of them D. Statics