

## ECAT Physics Chapter 1 Measurements

Sr	Questions	Answers Choice
1	Which quantity has different dimension:	A. Work B. Pressure C. Energy D. Torque
2	Astrophysics is a branch of physics, which deals with:	A. Sub-atomic particles     B. Stars and galaxies     C. Light and sound     D. Music
3	Diameter of the nucleus s of the order of	A. 10 <sup>-10</sup> m B. 10 <sup>-12</sup> m C. 10 <sup>-15</sup> m D. 10 <sup>-18</sup> m
4	Silicon can be obtained from	A. Lead B. Uranium C. An isotope of oxygen D. Sand
5	The information from far side of the universe are gathered by	A. Radio telescope B. Microscope C. Telescope D. Spectro scpe
6	Which one is the least multiple:	A. Pico B. Femto C. Nano D. Atto
7	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
8	In the equation E=mc <sup>2</sup> value of c is?	A. 186000 miles per hour B. 186000 miles per sec C. 3 X 10 <sup>8</sup> m/sec D. Both A and C E. Both B and C
9	At the present time, the main frontiers of fundamental science are	A. 2 B. 3 C. 4 D. 5
10	Branch of physics which deals with the study of stars and galaxies is called:	A. Solid state physics B. Astrophysics C. Molecular physics D. Chemical physics
11	Silicon can be obtained from:	A. Lead B. Uranium C. An isotope of oxygen D. Sand
12	The quantity have dimension of $ML^2T^{02}$ will have SI unit of:	A. Watt B. Newton C. Joule D. Metre
13	Physics deals with the study of	A. Matter B. Energy C. Both of them D. Human Body
14	Astrophysics is a branch of physics, which deals with	A. Sub-atomic B. Stars and galaxies C. Light and sound D. Music
15	The machines which deals with the objects moving with velocities approaching that of light is called:	A. Relativistic mechanics B. Wave mechanics C. Quantum

		D. Statics mechanics
6	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
17	Radio telescope is used to gather information from	A. Earth B. Moon only C. Far side of the universe D. Sea water
18	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
19	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
20	Total number of base units are	A. Three B. Five C. Seven D. Nine