

Physics ECAT Pre Engineering Chapter 1 Measurement

Sr	Questions	Answers Choice
1	Astrophysics is a branch of physics, which deals with:	A. Sub-atomic particles B. Stars and galaxies C. Light and sound D. Music
2	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
3	In the equation $E=mc^2$ value of c is:	A. 1.86,000 miles per hour B. 1.86,000 miles per sec C. 3×10^8 m/sec D. Both A and C E. Both B and C
4	The time taken by light to travel from moon to earth is:	A. 80 sec B. 500 sec C. 1.802×10^4 sec D. Aerophysics
5	Significant figures in 0.0010 are:	A. Four B. Three C. Two D. One
6	Physics is one of the branches of:	A. Social sciences B. Physical sciences C. Biological sciences D. Abstract art
7	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
8	The information from far side of the universe are gathered by	A. Radio telescope B. Microscope C. Telescope D. Spectro scope
9	If the absolute uncertainty of an instrument is 0.01 cm, then its least count will be :	A. 0.005 cm B. 0.01 cm C. 0.02 cm D. 0.001 cm
10	Astrophysics is a branch of physics, which deals with:	A. Sub-atomic particles B. Stars and galaxies C. Light and sound D. Music
11	Distance to nearest galaxy from earth is	A. 10^{10} m B. 10^{15} m C. 10^{40} m D. 10^{30} m
12	Silicon can be obtained from	A. Lead B. Uranium C. An isotope of oxygen D. Sand
13	Which one is the least multiple:	A. Pico B. Femto C. Nano D. Atto
14	For multiplication and division purposes, percentage uncertainties are:	A. Add B. subtracted C. Multiplied D. Divided
15	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

16 Silicon can be obtained from

A. Lead
B. Uranium
C. An isotope of oxygen
D. Sand

17 Relativistic mechanics is a branch of physics, which deal with the bodies moving with velocities:

A. More then c
B. **Approaching c**
C. Equal to c
D. Much less than x

18 Radio telescope is used to gather information from

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

19 In the equation $E=mc^2$ value of c is?

A. 186000 miles per hour
B. 186000 miles per sec
C. 3×10^8 m/sec
D. Both A and C
E. Both B and C

20 The mechanics, which deals with the objects moving with velocities approaching that of light is called:

A. **Relativistic mechanics**
B. Wave mechanic
C. Quantum mechanics
D. Statics