

Physics ECAT Pre Engineering Chapter 1 Measurement

| Sr | Questions | Answers Choice |
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| 1 | The information from far side of the universe are gathered by | A. Radio telescope B. Microscope C. Telescope D. Spectro scpe |
| 2 | Diameter of the nucleus s of the order of | A. 10 ⁻¹⁰ m B. 10 ⁻¹² m C. 10 ⁻¹⁵ m D. 10 ⁻¹⁸ m |
| 3 | The system international (SI) is built from kind of unites | A. Two B. Three C. Four D. Five |
| 4 | 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 |
| 5 | Particles have the mass smallest of following is | A. Electron B. Proton C. Neutron D. Quark |
| 6 | Light year is a unit of | A. Time B. Distance C. Velocity D. Intensity of light |
| 7 | 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 |
| 8 | Uncertainty is of following type/types: | A. Absolute B. Fractional C. Percentage D. All of these |
| 9 | Density is defined as: | A. Mass per volume B. Volume per mass C. Mass x volume D. Mass per length |
| 10 | 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 |
| 11 | The branch of physics which concerned with the ultimate particles of which the universe is composed is known as | A. SolidState physics B. Particle Physics C. Nuclear Physics D. Atomic Physics |
| 12 | Those quantities which can be measured accurately are known as | A. Physical Quantities B. Scalar Quantities C. Vector Quantities D. Non Physical Quantities |
| 13 | 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 |
| 14 | At the present time, the main frontiers of fundamental science are | A. 2 B. 3 C. 4 D. 5 |
| | | A. Sub-atomic particles |

| 15 | Astrophysics is a branch of physics, which deals with: | B. Stars and galaxies C. Light and sound D. Music |
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| 16 | Aerodynamics is a branch of: | A. Hydrodynamics B. Thermodynamics C. Both of them D. Statics |
| 17 | In the equation E=mc ² value of c is? | A. 186000 miles per hour B. 186000 miles per sec C. 3 X 10 ⁸ m/sec D. Both A and C E. Both B and C |
| 18 | Which one of the least multiple: | A. Pico B. Femto C. Nano D. Atto |
| 19 | Particles have the mass smallest of following is: | A. Electron B. Proton C. Neutron D. Quark |
| 20 | Density is defined as: | A. Mass per volume B. Volume per mass C. Mass X volume D. Mass per length |