Physics ECAT Pre Engineering Chapter 1 Measurement

Sr	Questions	Answers Choice
1	Silicon can be obtained from:	A. Lead B. Uranium C. An isotope of oxygen D. Sand
2	The branch of physics, which deals with the structure an properties of solids is called:	A. Plasma physics B. Solid state physics C. Any of above D. Astro physics
3	The system international (SI) is built from _____ kind of unites	A. Two B. Three C. Four D. Five
4	Silicon can be obtained from	A. Lead B. Uranium C. An isotope of oxygen D. Sand
5	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. Astrophysics
6	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
7	dimensions are the same for:	A. Work and energy B. Force and weight C. None of these D. Both a and b
8	Particles have the mass smallest of following is:	A. Electron B. Proton C. Neutron D. Quark
9	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
10	Total number of base units are	A. Three B. Five C. Seven D. Nine
11	Astrophysics is a branch of physics, which deals with:	A. Sub-atomic particles B. Stars and galaxies C. Light and sound D. Music
12	The definite number of significant figures in 5000 is:	A. Four B. Three C. Two D. One
13	Computer chips are made from	A. Conductors B. Semiconductors C. Insulators D. Both A and B
14	Radio telescope is used to gather information from	A. Earth B. Moon only C. Far side of the universe D. Sea water
15	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
16	Diameter of the nucleus s of the order of	A. 10⁻¹⁰m B. 10⁻¹²m C. 10⁻¹⁵m D. 10⁻¹⁸m
17	The principle characteristics of an ideal standard are	A. Inaccessible and Invariable B. Accessible and Invariable C. Accessible and Variable D. None of these
18	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 X 10⁸m/sec D. Both A and C E. Both B and C
19	Diameter of the atom is of the order of	A. 10⁻¹⁰m B. 10⁻¹²m C. 10⁻¹⁵m D. 10⁻⁹m
20	Density is defined as:	A. Mass per volume B. Volume per mass C. Mass x volume D. Mass per length