Physics ICS Part 1 Chapter 1 Online Test

Sr	Questions	Answers Choice
1	The length of steel pipe is in between 0.7 m to 0.8 m. Identify from the following. the appropriate instruemnt to be used for an accuracy of 0.001 m.	A. A micrometer screw gauge B. A metre rule C. A ten meteres measuring tape D. A vernier callipers
2	The answer to appropriate precison for the substaaction (1.126-0.97268) is.	A. 0.15 B. 0.153 C. 0.1533 D. 0.15332
3	Dimensions of viscosity are.	A. [ML-1T] B. [ML-1T-1] C. [ML-1T-2] D. [ML2T-1]
4	How many significant figures are in the measurement 0.004500 kg?	A. 3 B. 4 C. 5 D. 6
5	The least count of aninstrument determines	A. Precision of a measurment B. Accuracy of a measurement C. Factinal uncertainty of a measuremnet D. Percentage uncertainty of a measurement
6	The answer of the product (2.8723 x 1.6) to the appropriate numebr of significant figures is.	A. 4.6 B. 4,595 C. 4,59568 D. 4.59
7	Uncertainty may occur due to	A. Limitatio of an insturement B. Personal negligance C. Natural variance of the boject D. All of the above
8	The numebr of significant figures in the measrued mass 2500.0 kg is	A. Two B. Three C. Four D. Five
9	One ligh year is equal to in meteres.	A. 9.5 x 10¹⁵ B. 9.5 x 10⁻¹⁵ C. 3.1 x 102 D. 3.1 x 10⁻⁸
10	The percentage uncertainty in measurement of mass and velocity are 2% and 3% , the maxium uncertainty in the measurement of kinetic energy is.	A. 85% B. 11% C. 6% D. 1%
11	Dimension of relation mc2 are equal to dimension of.	A. Force B. energy C. Torque D. Momentum
12	The dimensions of angula momentum are.	A. [ML2T-1] B. [MLT-2] C. [MLT1] D. [ML2T-2]
13	SI Unit of intensity of light is.	A. Mole B. Candela C. Kelvin D. Ampere
14	$[M^0 L^0 T-1]$ Refers to.	A. Angular velocity B. Wavelength C. Time Period D. Velocity

15	The sum 12 kg +2.02 kg+5.1 kg accoridng to appropriate precision is	A. 19 kg B. 19.0 kg C. 19.1 kg D. 19.12 kg
16	The Dimension of freqeuncy is	A. [T-1] B. [LT] C. [MLT] D. [LT-1]
17	The dimensions of weight are.	A. [MLT-2] B. [LT-1] C. [LT-2] D. [ML2T]
18	The answer to the mathematical division (45.2 x 6.0) in appropriate numebr of significant figures is.	A. 7.5 B. 7.53 C. 7.533 D. 7.5333
19	Significant figures in 0.0004813 are	A. 4 B. 8 C. 7 D. 3
20	The dimensionally correct equation of E is.	A. mc2 B. mc C. m/c D. m2c2