Physics ICS Part 1 Chapter 1 Online Test

Sr	Questions	Answers Choice
1	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%
2	Significant figures in 0.0004813 are	A. 4 B. 8 C. 7 D. 3
3	The purpose of stdy and discovereties in Physics in.	A. The porbling of interstatllar sThe betterment of mankingpaces B. The bettermetne of mankind C. The developemt of destructive echnology in warfare D. Developemt in aesthetics for the world
4	The unit of pressure in base unti is.	A. kg m-1 s-2 B. kg m-1 S2 C. kg ms-2 D. None of above
5	The dimensions of angula momentum are.	A. [ML2T-1] B. [MLT-2] C. [MLT1] D. [ML2T-2]
6	The scientific notation of numebr 0.0023 is expressed.	A. 2.3 x 10⁻³ B. 0.2.3 x 10⁻³ C. 2.3 x 10⁻⁴ D. 02.3 x 10⁴
7	The dimensions of momentum are:	A. $[MLT^{-1}]$ B. $[ML^{2}T^{-2}]$ C. $[MLT^{-2}]$ D. $[ML^{2}T^{-1}]$
8	The numebr of significant figures in the measrued mass 2500.0 kg is	A. Two B. Three C. Four D. Five
9	SI Unit of angular momentum are.	A. kg m2 s-1 B. kg ms-1 C. kg ms2 D. kg m2 s-2
10	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
11	Which of the following is the SI base unit for luminous intensity?	A. Ampere B. Candela C. Mole D. Kelvin
12	The value 56.8546 cna be rounded off up to three signficant figures.	A. 56.8 B. 56.9 C. 56.7 D. 56.86
13	The number of significant figures of a measureent are define das.	A. They reflect the accuracy of the observation in a measurement B. They are teh figures which are reasonably reliable C. They are the accurately known digits and the first doubtful digit of measurement D. All of the above

14	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
15	For total acssessment of uncertinty in the final result obtained by multiplication and division	A. Absolut euncetainties are added B. Uncertainties are multiplied C. %age uncertainties are added D. Erros are added
16	The ratio of the dimensions of force and eenrgy is.	A. L-1 B. T-1 C. T D. L
17	The Dimension of freqeuncy is	A. [T-1] B. [LT] C. [MLT] D. [LT-1]
18	When adding or subtracting physical quantities, the absolute uncertainty in the final result is found by:	A. Multiplying the individual absolute uncertainties. B. Adding the individual absolute uncertainties. C. Taking the average of the individual absolute uncertainties. D. Subtracting the smallest from the largest individual absolute uncertainty.
19	The dimensionally correct equation of E is.	A. mc2 B. mc C. m/c D. m2c2
20	Dimensions of viscosity are.	A. [ML-1T] B. [ML-1T-1] C. [ML-1T-2] D. [ML2T-1]