

Physics ICS Part 1 Chapter 1 Online Test

Sr	Questions	Answers Choice
1	One ligh year is equal to in meteres.	A. 9.5×10^{15} B. 9.5×10^{-15} C. 3.1×10^2 D. 3.1×10^{-8}
2	The unit of pressure in base unti is.	A. $\text{kg m}^{-1} \text{s}^{-2}$ B. $\text{kg m}^{-1} \text{S}^2$ C. kg ms^{-2} D. None of above
3	The sum $12 \text{ kg} + 2.02 \text{ kg} + 5.1 \text{ kg}$ accordng to appropriate precision is	A. 19 kg B. 19.0 kg C. 19.1 kg D. 19.12 kg
4	Significant figures in 0.0004813 are	A. 4 B. 8 C. 7 D. 3
5	How many significant figures are in the measurement 0.004500 kg?	A. 3 B. 4 C. 5 D. 6
6	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%
7	The dimensions of angula momentum are.	A. $[\text{ML}^2\text{T}^{-1}]$ B. $[\text{MLT}^{-2}]$ C. $[\text{MLT}^1]$ D. $[\text{ML}^2\text{T}^{-2}]$
8	The least count of aninstrument determines	A. Precision of a measurment B. Accuracy of a measurement C. Factinal uncertainty of a measuremet D. Percentage uncertainty of a measurement
9	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
10	Which pair has same unit.	A. Work and energy B. Momentum and moment of inertia C. Force and torque D. Torque and power
11	When rounded off upto three significnat figures the value 6.835 is written as.	A. 6.83 B. 6.84 C. 6.80 D. 6.85
12	SI Unit of electric current.	A. Mole B. Candela C. Ampere D. Microampere
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	SI unit is built up by how many kinds of units	A. 5 B. 7 C. 3 D. 4
15	The time taken by the light to reach from sun to earth is.	A. 1 min - 20 sec B. 1 min -40 sec C. 9min -20sec D. 8 min - 20 sec
16	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.
17	One kilo mean	A. 10^3 B. 10^{-3} C. 10^2 D. 10^4
18	One centi is equal	A. 10^{-3} B. 10^{-2} C. 10^2 D. 10^{-6}
19	SI Unit of angular velocity are.	A. ms⁻¹ B. rad s⁻¹ C. cm s⁻¹ D. cm s⁻²
20	Uncertainty may occur due to	A. Limitatio of an insturement B. Personal negligance C. Natural variance of the boject D. All of the above