

Physics ICS Part 1 Chapter 1 Online Test

Sr	Questions	Answers Choice
1	Dimension of relation mc^2 are equal to dimension of.	A. Force B. energy C. Torque D. Momentum
2	The ratio of the dimensions of force and energy is.	A. L^{-1} B. T^{-1} C. T D. L
3	The answer of the product (2.8723×1.6) to the appropriate number of significant figures is.	A. 4.6 B. 4,595 C. 4,59568 D. 4.59
4	The prefix 'nano' represents a factor of:	A. 10^{-6} B. 10^{-9} C. 10^{-12} D. 10^{-3}
5	The dimensions of weight are.	A. $[MLT^{-2}]$ B. $[LT^{-1}]$ C. $[LT^{-2}]$ D. $[ML^2T]$
6	The time taken by the light to reach from sun to earth is.	A. 1 min - 20 sec B. 1 min - 40 sec C. 9 min - 20 sec D. 8 min - 20 sec
7	Which of the following is the SI base unit for luminous intensity?	A. Ampere B. Candela C. Mole D. Kelvin
8	SI unit is built up by how many kinds of units	A. 5 B. 7 C. 3 D. 4
9	One centi is equal	A. 10^{-3} B. 10^{-2} C. 10^{-1} D. 10^{-4}
10	A precise measurement is the one which has	A. Greater precision B. Less precision C. Medium precision D. More % error
11	SI Unit of electric current.	A. Mole B. Candela C. Ampere D. Microampere
12	The answer to appropriate precision for the subtraction $(1.126 - 0.97268)$ is.	A. 0.15 B. 0.153 C. 0.1533 D. 0.15332
13	$[M^0 L^0 T^{-1}]$ Refers to.	A. Angular velocity B. Wavelength C. Time Period D. Velocity
14	The sum of three numbers, 2.7543, 4.10 and 1.273, up to correct decimal place is	A. 8.13 B. 8.12 C. 8.1273 D. 8.127
15	One light year is equal to in meters.	A. 9.5×10^{15} B. 9.5×10^{-15} C. 3.1×10^2 D. 3.1×10^{-8}

16	SI Unit of angular velocity are.	A. ms^{-1} B. rad s^{-1} C. cm s^{-1} D. cm s^{-2}
17	The number of significant figures of a measurement are defined as.	A. They reflect the accuracy of the observation in a measurement B. They are the figures which are reasonably reliable C. They are the accurately known digits and the first doubtful digit of measurement D. All of the above
18	The most reactive metals of the periodic table are.	A. Alkali metals B. Alkaline metals C. Rare earth metals D. Coinage metals
19	The dimensions of acceleration are.	A. $[\text{LT}^{-2}]$ B. $[\text{LT}^{-2}]$ C. $[\text{LT}^{-3}]$ D. $[\text{L}^{-1}\text{T}]$
20	The least count of an instrument determines	A. Precision of a measurement B. Accuracy of a measurement C. Factual uncertainty of a measurement D. Percentage uncertainty of a measurement