

Physics ICS Part 1 Chapter 1 Online Test

Sr	Questions	Answers Choice
1	The dimensions of weight are.	A. $[MLT^{-2}]$ B. $[LT^{-1}]$ C. $[LT^{-2}]$ D. $[ML^2T]$
2	Which of the following is the SI base unit for luminous intensity?	A. Ampere B. Candela C. Mole D. Kelvin
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	One kilo mean	A. 10^3 B. 10^{-3} C. 10^2 D. 10^4
5	The Dimensions of moment of inertia are	A. $[ML^2]$ B. $[ML^{-2}]$ C. $[ML^3]$ D. $[ML]$
6	The Dimension of frequency is	A. $[T^{-1}]$ B. $[LT]$ C. $[MLT]$ D. $[LT^{-1}]$
7	Significant figures in 0.0004813 are	A. 4 B. 8 C. 7 D. 3
8	The dimensionally correct equation of E is.	A. mc^2 B. mc C. m/c D. m^2c^2
9	The unit of pressure is.	A. Nm^{-2} B. Nm C. $N^2 m^{-1}$ D. $N^2 m$
10	The dimensions of angular momentum are.	A. $[ML^2T^{-1}]$ B. $[MLT^{-2}]$ C. $[MLT^1]$ D. $[ML^2T^{-2}]$
11	The Dimension of Power is.	A. $[ML^2T^{-2}]$ B. $[ML^2T^{-3}]$ C. $[ML^2T^{-1}]$ D. $[MLT^{-1}]$
12	The diameter of a steel ball is measured using a Vernier callipers and its reading is shown in the figure. What is the diameter of the steel ball.	A. 1.30 cm B. 1.39 cm C. 1.40 cm D. 1.31 cm
13	The length of steel pipe is in between 0.7 m to 0.8 m. Identify from the following, the appropriate instrument to be used for an accuracy of 0.001 m.	A. A micrometer screw gauge B. A metre rule C. A ten metres measuring tape D. A vernier callipers
14	The dimensions of momentum are:	A. $[MLT^{-1}]$ B. $[ML^2T^{-2}]$ C. $[MLT^{-2}]$ D. $[ML^2T^{-1}]$
15	Dimension of relation mc^2 are equal to dimension of.	A. Force B. energy C. Torque

		D. <p>Momentum</p>
16	Which pair has same unit.	A. <p>Work and energy</p> B. <p>Momentum and moment of inertia</p> C. <p>Force and torque</p> D. <p>Torque and power</p>
17	The percentage uncertainty in measurement of mass and velocity are 2% and 3% , the maxium uncertainty in the measurement of kinetic energy is.	A. <p>85%</p> B. <p>11%</p> C. <p>6%</p> D. <p>1%</p>
18	Physical quantites are oftern divided into.	A. <p>two categories</p> B. <p>Three categories</p> C. <p>Four Categories</p> D. <p>Five categories</p>
19	The time taken by the light to reach from sun to earth is.	A. <p>1 min - 20 sec</p> B. <p>1 min -40 sec</p> C. <p>9min -20sec</p> D. <p>8 min - 20 sec</p>
20	The sum 12 kg +2.02 kg+5.1 kg accoridng to appropriate precision is	A. <p>19 kg</p> B. <p>19.0 kg</p> C. <p>19.1 kg</p> D. <p>19.12 kg</p>