

MDCAT Physics Chapter 1 Measurement Online Test

Sr	Questions	Answers Choice
1	Aerodynamics is a branch of:	A. Hydrodynamics B. Thermodynamics C. Both of them D. Statics
2	The length and width of a rectangular plate are measured to be 15.3 cm and 12.80 cm, respectively. The area of plate is:	A. 195.84 B. 195.8 C. 195 D. any of these
3	Moment of inertia is a _____ quantity having unit of _____	A. Scalar $\text{kg} \cdot \text{m}^2$ B. vector $\text{kg} \cdot \text{m}^2$ C. scalar $\text{kg} \cdot \text{m}^2/\text{sec}$ D. none of these
4	Significant figures in 0.0010 are:	A. Four B. Three C. Two D. One
5	Which one of the following is not a base unit:	A. Ampere B. Kelvin C. Watt D. candela
6	Colomb is defined as:	A. Amp- Sec^{-1} B. Amp- Sec C. Amp-m
7	0.0001210 has _____ significant figures.	A. Four B. three C. Seven D. Eight
8	The average time the Earth takes to make exactly one rotation about its axis is defined as:	A. A solar hour B. A solar day C. A light year D. A solar month
9	Addition of 2.2 kg, 10.2 grams and 10.01 grams gives the rounded of answer as:	A. 2.22003 kg B. 2.22 kg C. 2.2 kg D. 2 kg
10	The dimension $[M^0L^0T^{-1}]$ refer to physical quantity:	A. Velocity B. Time period C. Frequency D. Force
11	Which quantity had different dimensions:	A. Work B. Pressure C. Energy D. Torque
12	Mole is a unit of measuring:	A. amount substance B. Intensity of light C. Amount of current D. Mass
13	The dimensions MLT^{-2} refer to the physical quantity.	A. Torque B. Force C. Mass D. Acceleration
14	Which of the following is/are base unit/s:	A. Square meter B. Cubic meter C. Candela D. all of them
15	Significant figures in 5432 are:	A. Two B. Three C. Four D. Five

16	The ratio of platinum and iridium is:	A. 90% :10% B. 10% : 90% C. 50% : 50% D. 60% :40%
17	Significant figures in 1.0011000 are:	A. Eight B. Seven C. Six D. Five
18	Addition of 2.2 kg, 10.2 grams and 10.01 grams gives the rounded off answer as:	A. 19.398 B. 19.400 C. 19.4 D. 19.3
19	The average time the Earth takes to make exactly one rotation about its axis is defined as:	A. A solar hour B. A solar day C. A light year D. A solar month
20	Uncertainty is of following type/types:	A. Absolute B. Fractional C. Percentage D. All of these