

MDCAT Physics Chapter 1 Measurement Online Test

Sr	Questions	Answers Choice
1	The dimension [M ^O L ^O T ⁻¹] refer to physical quantity:	A. Velocity B. Time period C. Frequency D. Force
2	The definite number of significant figures in 5000 is:	A. Four B. Three C. Two D. One
3	Unit of solid angle is called:	A. Radian B. Degree C. Steradian D. Angstrom
4	Significant figures in 0.2020 are	A. Two B. Three C. Four D. Five
5	One kilogram is actually mass of platinum iridium alloy cylinder kept at international bureau of weights and measures in france. the ratio of platinum and iridium:	A. 90%:10% B. 10%: 90% C. 50%: 50% D. 60%: 40%
6	The maximum possible error in the reading of an instrument is its least count.	A. Half of B. Quarter of C. Equal to D. Double than
7	Dimensions are same for:	A. Wavelength and amplitude B. Inertia and moment of inertia C. Frequency and angular velocity D. Both A and B E. Both A and C
8	Significant figures in 0.0010are:	A. Four B. Three C. Two D. One
9	Significant figures in 0.2020 are:	A. Two B. Three C. Four D. Five
10	The branch of physics which is mainly concerned with the motion of bodies under the action of forces is called:	A. Optics B. Mechanics C. Thermodynamics D. Astro physics
11	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
12	Planck constant has SI unit of J-Second. Its dimension will be:	A. [ML ² T ⁻²] B. [ML ² T ⁻¹] C. [M ² LT ⁻¹] D. [ML ⁻² T ⁻ -2]
13	Significant figures in 1.0 x10 ⁻³ are:	A. Two B. Three C. Four D. Five
14	Significant figures in 5432 are:	A. Two B. Three C. Four D. Five
15	Significant figures in 0.0010 are:	A. Four B. Three C. Two

		D. One
6	To find the uncertainty in the time period of a vibrating body, the least count of the timing device is number of vibrations.	A. Added into B. Subtracted from C. Multiplied by D. Divided by
17	Which quantity has different dimension?	A. Tension B. Force C. Weight D. Modulus of elasticity
8	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
9	Mole is a unit of measuring:	A. amount substance B. Intensity of light C. Amount of current D. Mass
)	The dimensions MLT ⁻² refer to the physical quantity.	A. Torque B. Force C. Mass D. Acceleration