

MDCAT Physics Chapter 1 Measurement Online Test

Sr	Questions	Answers Choice
1	Steradian is the angle subtended at the centre of the _____	A. Circle B. Sphere C. any of these D. square
2	For multiplication and division purposes, percentage uncertainties are:	A. Added B. Subtracted C. Multiplied D. Divided
3	Colomb is defined as:	A. Amp-Sec ⁻¹ B. Amp-Sec C. Amp-m
4	The amount of substance is measured in:	A. Kilogram B. Litre C. Mole D. Both A and C
5	Significant figures in 0.0010 are:	A. Four B. Three C. Two D. One
6	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
7	Which one of the following is not a base unit:	A. Ampere B. Kelvin C. Watt D. candela
8	In the equation $v_f^2 - v_i^2 = 2as$, the dimension of $2as$ is:	A. $[LT^{-2}]$ B. $[LT^{-1}]$ C. $[L]$ D. $[L^2T^{-2}]$
9	Mole is a unit of measuring:	A. amount substance B. Intensity of light C. Amount of current D. Mass
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	Spring constant has dimension	A. $[MT^{-1}]$ B. $[MT^{-2}]$ C. $[MT^{-3}]$ D. $[M^{-2}T^0]$
12	Significant figures in 0.0010 are:	A. Four B. Three C. Two D. One
13	The length of a line was measured with a metre scale of least count = 1 mm by for students. The correct reading will be:	A. 0.5426 m B. 0.542 m C. 0.54 m D. 0.5 m
14	Which of the following is not a base unit:	A. Square meter B. Cubic meter C. Candela D. All of these
15	Aerodynamics is a branch of:	A. Hydrodynamics B. Thermodynamics C. Both of them D. Statics

16	The time interval of 6.3×10^7 second is equal to:	A. 4 days B. 3 months C. 2 years D. One light year
17	Which of the following is/are base unit/s:	A. Square meter B. Cubic meter C. Candela D. all of them
18	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
19	The ratio of platinum and iridium is:	A. 90% :10% B. 10% : 90% C. 50% : 50% D. 60% :40%
20	Significant figures in 1.0×10^{-3} are	A. Five B. Four C. Two D. Three