

MDCAT Physics Chapter 1 Measurement Online Test

Sr	Questions	Answers Choice
1	The amount of a substance is measured in:	A. Kilogram B. Litre C. Mole D. Both A and C
2	The dimension $[M^0L^0T^{-1}]$ refer to physical quantity:	A. Velocity B. Time period C. Frequency D. Force
3	significant figures in 2.00×10^{-9} are:	A. Four B. Three C. Two D. One
4	Significant figures in 0.0010 are:	A. Four B. Three C. Two D. One
5	Significant figures in 1.0011000 are:	A. Eight B. Seven C. Six D. Five
6	All of the following have been expressed in proper units except:	A. Energy = kg m sec^{-2} B. Pressure = N -m^{-2} C. Area = m^2 D. density = kg - m^{-3}
7	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
8	The ratio of platinum and iridium is:	A. 90% : 10% B. 10% : 90% C. 50% : 50% D. 60% : 40%
9	Conversion of 10^4 micro-centimeter in meters is	A. 10^{-12} B. 10^{-14} C. 10^{-10} D. 10^{-2}
10	Which one of the following is not a base unit.	A. Ampere B. Kelven C. Watt D. Candela
11	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
12	Mole is a unit of measuring:	A. amount substance B. Intensity of light C. Amount of current D. Mass
13	Which of the following is not a base unit:	A. Square meter B. Cubic meter C. Candela D. All of these
14	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
15	Planck constant has SI unit of J-Second. Its dimension will be:	A. $[ML^2T^{-2}]$ B. $[ML^2T^{-1}]$ C. $[M^2LT^{-1}]$ D. $[MLT^{-2}]$

D. $[ML^{-2}] I^{-2}$

16 The amount of substance is measured in:

- A. Kilogram
- B. Litre
- C. Mole
- D. Both A and C

17 Significant figures in 0.2020 are

- A. Two
- B. Three
- C. Four
- D. Five

18 The information from far side of the universe are gathered by:

- A. Radio telescope
- B. Microscope
- C. Telescope
- D. AtSpectro scpe

19 Spring constant has dimension

- A. $[MT^{-1}]$
- B. $[MT^{-2}]$
- C. $[MT^{-3}]$
- D. $[M^{-2}T^0]$

20 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