

## MDCAT Physics Chapter 1 Measurement Online Test

Sr	Questions	Answers Choice
1	Typical examples of base quantities are:	A. Length B. Mass C. Time D. Only A and C E. all of these
2	Which one of the following is not a base unit.	A. Ampere B. Kelvin C. Watt D. Candela
3	The amount of a substance is measured in:	A. Kilogram B. Litre C. Mole D. Both A and C
4	Conversion of $10^4$ micro-centimeter in meters is	A. $10^{-12}$ B. $10^{-14}$ C. $10^{-10}$ D. $10^{-2}$
5	Significant figures in $2.00 \times 10^{-9}$ is:	A. Four B. Three C. Two D. One
6	In mean solar day, the number of seconds are:	A. 24 seconds B. 1440 seconds C. 86400 seconds D. 3600 seconds
7	For addition and subtraction purposes, absolute uncertainties are:	A. Added B. Subtracted C. Multiplied D. Divided
8	Uncertainty is of following type/types:	A. Absolute B. Fractional C. Percentage D. All of these
9	The prefix micro represents the _____ th part of a quantity:	A. $10^{12}$ B. $10^6$ C. $10^{-6}$ D. $10^{-2}$
10	Which quantity has different dimension?	A. Tension B. Force C. Weight D. Modulus of elasticity
11	Significant figures in 1.0011000 are:	A. Eight B. Seven C. Six D. Five
12	Physics deal with the study of	A. Matter B. Energy C. Both of them D. Human body
13	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
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	In mean solar day, the number of seconds are	A. 24 seconds B. 1440 seconds C. 86400 seconds D. 3600 seconds

C. 86400 seconds  
D. 3600 seconds

16 One metre has \_\_\_\_\_ nanometer and one nanometer has \_\_\_\_ meter.

- A.  $10^{5}$  ,  $10^{5}$   
B.  $10^{9}$  ,  $10^{-9}$   
C.  $10^{-9}$  ,  $10^{9}$   
D.  $10^{5}$  ,  $10^{-5}$

17 Significant figures in 0.0010 are:

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

18 Significant figures in  $1.0 \times 10^{-3}$  are:

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

19 All of the following have been expressed in proper units except:

- A. Energy =  $\text{kg m sec}^{-2}$   
B. Pressure =  $\text{N - m}^2$   
C. Area =  $\text{m}^2$   
D. density =  $\text{kg - m}^3$

20 Which quantity had different dimensions:

- A. Work  
B. Pressure  
C. Energy  
D. Torque