MDCAT Physics Chapter 1 Measurement Online Test

Sr	Questions	Answers Choice
1	The ratio of platinum and iridium is:	A. 90% :10% B. 10% : 90% C. 50% : 50% D. 60% :40%
2	Physics deal with the study of	A. Matter B. Energy C. Both of them D. Human body
3	Number can be expressed in scientific notation which employ power of:	A. One B. Ten C. 100 D. 1000
4	Unit of solid angle is called:	A. Radian B. Degree C. Steradian D. Angstrom
5	The average time the Earth takes to make exactly one rotation abut its axis is defined as:	A. A solar hour B. A solar day C. A light year D. A solar month
6	Absolute uncertainty in a measuring instrument is equal to:	A. Percentage uncertainty B. Least count C. Accuracy D. Fractional uncertainly
7	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
8	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
9	The number of base units in SI are:	A. Four B. Five C. Six D. Seven
10	Conversion of 10^{-6}micro-centimeter in meters is:	A. 10⁻¹² B. 10⁻¹⁴ C. 10⁻² D. 10⁻¹⁰
11	Significant figures in 0.0010are:	A. Four B. Three C. Two D. One
12	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
13	All of the following have been expressed in proper units except:	A. Energy = kg m sec⁻² B. Pressure = N -m² C. Area = m² D. density = kg - m³
14	Example of physical quantities are:	A. Length B. Colour C. Effect of music D. All of these
15	Which quantity has different dimension.	A. work B. Pressure C. Energy D. Torque

16	Unit of spring constant is:	A. Newton per meter B. Kg-Sec⁻² C. J-m⁻² D. All of these E. None of these
17	In the equation $v_f^2-v_i^2=2as$, the dimension of 2as is:	A. [LT⁻²] B. [LT⁻¹] C. [L] D. [L²T⁻²]
18	Significant figures in 0.2020 are	A. Two B. Three C. Four D. Five
19	Significant figures in 0.2020 are:	A. Two B. Three C. Four D. Five
20	The quantity having dimension of ML^2T^{-2} will have SI unit of:	A. Watt B. Newton C. Joule D. Metre