Physical Quantities and Measurement

Sr	Questions	Answers Choice
1	Which of the following numbers show 4 significant digits.	A. 9000.8 B. 4 C. 0.001248 D. 5174.00
2	A displacement can is used to measure.	A. Mass of liquid B. Mass of solid C. Volume of a solid D. Volume of a liquid
3	Which of following prefeix represents largest value.	A. Pico B. Peta C. Mega D. Kilo
4	Which of the following is a base unit.	A. Mole B. Pascal C. Coulomb D. meter per second
5	amount of substance in terms of numbers is measured in	A. Gram B. Mole C. Kilogram D. Newton
6	Least count of scew gauge is 0.01 mm. If main scale reading of screw guage is zero and third line of its circular scale conscides with datum line then the measurement on the screw guage is.	A. 0.03mm B. 3 mm C. 0.3mm D. 0.1 mm
7	Four students measure the diameter of a cylinder with vernier callpers. Which of the following readings is	A. 3.4 cm B. 3.47 cm C. 3.5 cm D. 3.475 cm
8	Ratio of milimeter to micrometer is	A. 1000 m B. 0.001 meter C. 1000 D. 0.001
9	Which one is a non -physical quantituty.	A. Density B. Colour C. Time D. Distance
10	A light year is a unit of.	A. Light B. Time C. Speed D. Distance
11	In a vernier Calipers ten smallest divisions of the Vernier scale are equal to nine smallest divisions of the main scale. If the smallest divisions of the main scale is half milimeter, the Vernier constant is equal to.	A. 0.05 mm B. 0.5 mm C. 0.1 mm D. 0.001 mm
12	The numbers having one significance digit is.	A. 6.0 B. 1.1 C. 6 x 10² D. 7.1
13	0.2 mm in units of meters is.	A. 2 x 10⁴ m B. 0.0002 m C. 0.002 m D. None of these
14	When using a mwasring cylinder one preceution to take is to.	A. Check for the zero B. Position the eye in line with the bottom of the meniscus C. Look at the menscus from below the level of the water surface D. Take several readings by looking from more than one direction
		A. Kilogram

15	Which one of the followig unit is not a derived unit.	B. Watt C. Newton D. Pascal
16	Micro meter can be used to measure.	A. Current B. Length C. Force D. Mass
17	One femtometre is equl to	A. 10⁻¹⁵ m B. 10¹⁵m C. 10⁻⁹m D. 10⁹m
18	The number of significant figuresin 0.00650 s are	A. 2 B. 3 C. 5 D. 6
19	Volume of water consumed by you per day is estimated in.	A. Cubic metre B. Litre C. Mililitre D. Kilogram
20	Two rods with length 12.321vm snf 10.3 cm are placed side by side. the difference is their lengths is.	A. 2.02 cm B. 2 cm C. 2.021 cm D. 2.0 cm