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	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
3	Which one is a non -physical quantituty.	A. Density B. Colour C. Time D. Distance
4	A light year is a unit of.	A. Light B. Time C. Speed D. Distance
5	Which of following prefeix represents largest value.	A. Pico B. Peta C. Mega D. Kilo
6	Which of the following is a base unit.	A. Mole B. Pascal C. Coulomb D. meter per second
7	Volume of water consumed by you per day is estimated in.	A. Cubic metre B. Litre C. Mililitre D. Kilogram
8	The number of significant figuresin 0.00650 s are	A. 2 B. 3 C. 5 D. 6
9	The numbers having one significance digit is.	A. 6.0 B. 1.1 C. 6 x 10² D. 7.1
10	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
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	amount of substance in terms of numbers is measured in	A. Gram B. Mole C. Kilogram D. Newton
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	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
		A. Metre rule

15	The instrument that is most suitable for measuring the thickness of a few sheets on cardboard is a.	B. Micrometer screw guage C. Mesuring tape D. Vernier calipers
16	Micro meter can be used to measure.	A. Current B. Length C. Force D. Mass
17	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
18	Ratio of milimeter to micrometer is	A. 1000 m B. 0.001 meter C. 1000 D. 0.001
19	One femtometre is equl to	A. 10⁻¹⁵ m B. 10¹⁵m C. 10⁻⁹m D. 10⁹m
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