Physical Quantities and Measurement

Sr	Questions	Answers Choice
1	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
2	Which of following prefeix represents largest value.	A. Pico B. Peta C. Mega D. Kilo
3	A light year is a unit of.	A. Light B. Time C. Speed D. Distance
4	Which one of the followig unit is not a derived unit.	A. Kilogram B. Watt C. Newton D. Pascal
5	The Instrument that is most suitable for measuring the thickness of a few sheets on cardboard is a.	A. Metre rule B. Micrometer screw guage C. Mesuring tape D. Vernier calipers
6	Volume of water consumed by you per day is estimated in.	A. Cubic metre B. Litre C. Mililitre D. Kilogram
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	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
9	Which of the following is a base unit.	A. Mole B. Pascal C. Coulomb D. meter per second
10	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
11	Ratio of milimeter to micrometer is	A. 1000 m B. 0.001 meter C. 1000 D. 0.001
12	The instrument best measures the internal diameter of a pipe is.	A. Screw gauge B. Metre rule C. Vernier caliper D. Measuring tape
13	The number of significant figuresin 0.00650 s are	A. 2 B. 3 C. 5 D. 6
14	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
15	One femtometre is equl to	A. 10⁻¹⁵ m B. 10¹⁵m C. 10⁻⁹m D. 10⁹m

16	The numbers having one significance digit is.	A. 6.0 B. 1.1 C. 6 x 10² D. 7.1
17	Micro meter can be used to measure.	A. Current B. Length C. Force D. Mass
18	Which of the following numbers show 4 significant digits.	A. 9000.8 B. 4 C. 0.001248 D. 5174.00
19	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
20	Which one is a non -physical quantituty.	A. Density B. Colour C. Time D. Distance
21	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
22	amount of substance in terms of numbers is measured in	A. Gram B. Mole C. Kilogram D. Newton