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	A light year is a unit of.	A. Light B. Time C. Speed D. Distance
3	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
4	Ratio of milimeter to micrometer is	A. 1000 m B. 0.001 meter C. 1000 D. 0.001
5	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
6	One femtometre is equl to	A. 10^{-15} m B. 10^{15}m C. 10^{-9}m D. 10^{9}m
7	amount of substance in terms of numbers is measured in	A. Gram B. Mole C. Kilogram D. Newton
8	Volume of water consumed by you per day is estimated in.	A. Cubic metre B. Litre C. Mililitre D. Kilogram
9	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
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	Micro meter can be used to measure.	A. Current B. Length C. Force D. Mass
12	Which of following prefeix represents largest value.	A. Pico B. Peta C. Mega D. Kilo
13	The number of significant figuresin 0.00650 s are	A. 2 B. 3 C. 5 D. 6
14	Which one is a non -physical quantituty.	A. Density B. Colour C. Time D. Distance
15	Which of the following numbers show 4 significant digits.	A. 9000.8 B. 4 C. 0.001248 D. 5174.00

16	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
17	The instrument best measures the internal diameter of a pipe is.	A. Screw gauge B. Metre rule C. Vernier caliper D. Measuring tape
18	0.2 mm in units of meters is.	A. 2×10^4 m B. 0.0002 m C. 0.002 m D. None of these
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	The numbers having one significance digit is.	A. 6.0 B. 1.1 C. 6×10^2 D. 7.1