Physical Quantities and Measurement

Sr	Questions	Answers Choice
1	amount of substance in terms of numbers is measured in	A. Gram B. Mole C. Kilogram D. Newton
2	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
3	A light year is a unit of.	A. Light B. Time C. Speed D. Distance
4	Which one is a non -physical quantituty.	A. Density B. Colour C. Time D. Distance
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	Which of the following is a base unit.	A. Mole B. Pascal C. Coulomb D. meter per second
7	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
8	The instrument best measures the internal diameter of a pipe is.	A. Screw gauge B. Metre rule C. Vernier caliper D. Measuring tape
9	Which of following prefeix represents largest value.	A. Pico B. Peta C. Mega D. Kilo
10	The numbers having one significance digit is.	A. 6.0 B. 1.1 C. 6×10^2 D. 7.1
11	Which one of the followig unit is not a derived unit.	A. Kilogram B. Watt C. Newton D. Pascal
12	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
13	One femtometre is equl to	A. 10^{-15} m B. 10^{15}m C. 10^{-9}m D. 10^9m
14	Volume of water consumed by you per day is estimated in.	A. Cubic metre B. Litre C. Mililitre D. Kilogram
	The instrument that is most suitable for measuring the thickness of a few sheets	A. Metre rule B. Micrometre

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	Ratio of milimeter to micrometer is	A. 1000 m B. 0.001 meter C. 1000 D. 0.001
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	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
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