

Physical Quantities and Measurement

Sr	Questions	Answers Choice
Si	Questions	
1	Which of the following is a base unit.	A. Mole B. Pascal C. Coulomb D. meter per second
2	Ratio of milimeter to micrometer is	A. 1000 m B. 0.001 meter C. 1000 D. 0.001
3	amount of substance in terms of numbers is measured in	A. Gram B. Mole C. Kilogram D. Newton
4	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
5	One femtometre is equl to	A. 10 ⁻¹⁵ m B. 10 ¹⁵ m C. 10 ⁻⁹ m D. 10 ⁹ m
6	The instrument best measures the internal diameter of a pipe is.	A. Screw gauge B. Metre rule C. Vernier caliper D. Measuring tape
7	Which one is a non -physical quantituty.	A. Density B. Colour C. Time D. Distance
8	Micro meter can be used to measure.	A. Current B. Length C. Force D. Mass
9	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
10	A light year is a unit of.	A. Light B. Time C. Speed D. Distance
11	The number of significant figuresin 0.00650 s are	A. 2 B. 3 C. 5 D. 6
12	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
13	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
14	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
15	Volume of water consumed by you per day is estimated in.	A. Cubic metre B. Litre C. Mililitre D. Kilogram

16	0.2 mm in units of meters is.	A. 2 x 10 ⁴ m B. 0.0002 m C. 0.002 m D. None of these
17	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
18	The numbers having one significance digit is.	A. 6.0 B. 1.1 C. 6 x 10 ² D. 7.1
19	Which one of the followig unit is not a derived unit.	A. Kilogram B. Watt C. Newton D. Pascal
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