

Physical Quantities and Measurement

Sr	Questions	Answers Choice
1	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
2	Four students measure the diameter of a cylinder with vernier callipers. Which of the following readings is	A. 3.4 cm B. 3.47 cm C. 3.5 cm D. 3.475 cm
3	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
4	Ratio of milimeter to micrometer is	A. 1000 m B. 0.001 meter C. 1000 D. 0.001
5	Volume of water consumed by you per day is estimated in.	A. Cubic metre B. Litre C. Millilitre D. Kilogram
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	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
8	One femtometre is equal to	A. 10^{-15} m B. 10^{15} m C. 10^{-9} m D. 10^{9} m
9	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
10	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
11	A light year is a unit of.	A. Light B. Time C. Speed D. Distance
12	Which of the following is a base unit.	A. Mole B. Pascal C. Coulomb D. meter per second
13	The number of significant figures in 0.00650 s are	A. 2 B. 3 C. 5 D. 6
14	Least count of sciew 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
		A. Current

15	Micro meter can be used to measure.	B. Length C. Force D. Mass
16	The numbers having one significance digit is.	A. 6.0 B. 1.1 C. 6×10^2 D. 7.1
17	Which one of the followig unit is not a derived unit.	A. Kilogram B. Watt C. Newton D. Pascal
18	Which one is a non -physical quantity.	A. Density B. Colour C. Time D. Distance
19	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
20	Which of the following numbers show 4 significant digits.	A. 9000.8 B. 4 C. 0.001248 D. 5174.00