Physical Quantities and Measurement

Sr	Questions	Answers Choice
1	The instrument best measures the internal diameter of a pipe is.	A. Screw gauge B. Metre rule C. Vernier caliper D. Measuring tape
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	Micro meter can be used to measure.	A. Current B. Length C. Force D. Mass
4	Ratio of milimeter to micrometer is	A. 1000 m B. 0.001 meter C. 1000 D. 0.001
5	Which of following prefeix represents largest value.	A. Pico B. Peta C. Mega D. Kilo
6	The numbers having one significance digit is.	A. 6.0 B. 1.1 C. 6 x 10² D. 7.1
7	Which of the following numbers show 4 significant digits.	A. 9000.8 B. 4 C. 0.001248 D. 5174.00
8	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
9	The number of significant figuresin 0.00650 s are	A. 2 B. 3 C. 5 D. 6
10	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
11	Which of the following is a base unit.	A. Mole B. Pascal C. Coulomb D. meter per second
12	amount of substance in terms of numbers is measured in	A. Gram B. Mole C. Kilogram D. Newton