

9th Class Physics - Chapter 1

Exercise - Multiple Choice Questions

1. Which one of the following is not a derived unit?

- A. pascal
- B. kilogram
- C. newton
- D. watt

Correct Option: B. kilogram

2. Amount of a substance in terms of numbers is measured in:

- A. gram
- B. kilogram
- C. newton
- D. mole

Correct Option: D. mole

3. The number of significant figures in 0.006050 are:

- A. 2
- B. 3
- C. 5
- D. 6

Correct Option: B. 3

4. Which of the following numbers show 4 significant digits?

- A. 9000.8
- B. 4
- C. 5174.00
- D. 0.001248

Correct Option: D. 0.001248

5. Which of following prefix represents a largest value?

- A. mega
- B. pico
- C. peta
- D. kilo

Correct Option: C. peta

6. Micrometer can be used to measure:

- A. current
- B. force
- C. length
- D. mass

Correct Option: C. length

7. The instrument best measures the internal diameter of a pipe is:

- A. screw gauge
- B. vernier caliper
- C. metre rule
- D. measuring tape

Correct Option: B. vernier caliper

8. Least count of screw gauge is 0.01 mm. If main scale reading of screw gauge is zero and third line of its circular scale coincides with datum line, then the measurement on the screw gauge is:

- A. 0 mm
- B. 3 mm
- C. 0.03 mm
- D. 0.3 mm

Correct Option: C. 0.03 mm

9. 9.483×10^3 m is the standard form of:

- A. 94.83 m
- B. 9.483 m
- C. 948.3 m
- D. 9483 m

Correct Option: D. 9483 m

10. Which of the following is a base unit?

- A. pascal
- B. coulomb
- C. metre per second
- D. mole

Correct Option: D. mole

11. The numbers having one significant digit is:

- A. 1.1
- B. 6.0
- C. 7.1
- D. 6×10^2

Correct Option: D. 6×10^2

12. Ratio of millimetre to micrometre is:

- A. 1000 metre
- B. 0.001 metre
- C. 1000
- D. 0.001

Correct Option: C. 1000

13. 0.2 mm in units of meters is:

- A. 0.0002 m
- B. 2×10^{-4} m
- C. both A and B
- D. none

Correct Option: C. both A and B