

CBSE MIXED TEST PAPER-01
CLASS - 9 SCIENCE
(First Terminal Examination)

General Instructions:-

- (i) All questions are compulsory.
- (ii) There is no overall choice. However internal choice has been provided.
- (iii) Marks allotted to each question are indicated against it.

1. Change 100°C into Kelvin temperature. [1]
2. Name a cell organelle which has its own DNA and ribosome. [1]
3. Fan keeps on moving for some time even after switching off. Why? [1]
4. Which has greater effect of burning: boiled water or steam? Why? [1]
5. What is metalloid? [1]
6. Write Chemical formulae: [2]
 - i. Aluminium Chloride
 - ii. Magnesium hydroxide
7. Write any two functions of Golgi bodies. [2]
8. Differentiate between Mixture and compound. [2]

OR

Distinguish between Xylem and Phloem.

9. Convert 22g of CO_2 in moles and find number of particles in it. [3]

Find molecular mass of H_2SO_4 and CH_3OH

Atomic mass of:

Hydrogen = 1u

Oxygen = 16u

Sulphur = 32u

Carbon = 12u

10. A motor boat starts motion in a pond on a linear track. It moves with a constant acceleration of 3 m/s^2 for 8 seconds. Find the distance travelled by it during this period. [3]

11. Draw labelled diagram of Neuron. [3]

12.

1. Write Third Law of Motion. [5]

2. Define Velocity. Write its formula and units.

3. Which require greater force:

To accelerate an object of 2kg by 5 m/sec^2 or to accelerate an object of 4kg by 2 m/s^2 . Find it.

13.

i. Write two characteristics of Heart Muscles. [5]

ii. Differentiate between Prokaryotic & Eukaryotic cells.