

**CBSE MIXED TEST PAPER-05**

**CLASS - 9 SCIENCE**

**(Unit Test)**

**General Instructions:-**

- (i) All questions are compulsory.
- (ii) Marks allotted to each question are indicated against it.

1. Name three states in which water exists. (1)
2. Give any one characteristic of the particles of matter. (1)
3. Define sublimation. (1)
4. What is the function of the plasma membrane in a cell? (1)
5. Why is Mitochondria called the “Power House of the cell”? (1)
6. What happens when a cell is placed in a hypertonic solution? (1)
7. What is Odometer? (1)
8. Define average speed. (1)
9. Differentiate between distance and displacement. (2)
10. The odometer of a car reads 2000 km at the start of a trip and 2400 km at the end of the trip. If the trip took 8h, calculate the average speed of the car in  $\text{kmh}^{-1}$  and  $\text{ms}^{-1}$ . (2)
11. Why are Lysosomes known as suicidal bags of the cell? (2)
12. Define Osmosis. (2)
13. Convert the following temperature to Celsius scale. (2)
  - a. 300 K
  - b. 573 K

14. What type of clothes should we wear in summer? (2)
15. Differentiate between Prokaryotic and Eukaryotic cell. (3)
16. Tabulate the differences in the characteristics of states of matter. (3)
17. What are the factors on which evaporation depends? Explain. (3)
18. What produces more severe burns, boiling water or steam? (3)
19. A car accelerates uniformly from  $18 \text{ kmh}^{-1}$  to  $36 \text{ kmh}^{-1}$  in 5 sec. Calculate (3)
  - i. Acceleration,
  - ii. Distance covered.
20. Draw the structure of an Animal cell or Plant cell and Label it. (5)