

CBSE Class – 9 Science
Test Paper-21

General Instructions :-

1. All questions are compulsory.
2. There is no overall choice. However an internal choice has been provided.
3. Marks allocated to each question are indicated against it.

1. Who did invent the cell and when? [1]
2. What is Newton's first law of Motion. [1]
3. Write chemical formula of Ammonium Sulphate & Magnesium Chloride. [1]
4. What are pure substance?

OR

Which part of a cell is called "power house"? [1]

5. Write one property of colloids. [1]
6. Why cooler makes more cooling in a dry and hot day? [2]
7. Write any two functions of Galgi bodies. [2]
8. Differentiate between compound and mixture. [3]
9. Draw proper figure for separating kerosene oil and water. Name the method also. [3]
10. A motor boat starts motion in a pond on a linear track. It moves with a constant acceleration of 4m/s^2 for 10 seconds. Find the distance travelled by it during this period. [3]
11. Draw all cells present in Human body? [3]
12. A solution is made by dissolving 50g sugar in 250g of water. Calculate the concentration of this solution in mass %. [3]

13. Write the functions phloem and xylem? [3]

14.

- i. What is an ion? Write the symbol of calcium ion and Aluminium ion. [2]
- ii. Which require greater force :- To accelerate an object of 3kg by 5m/s^2 or to accelerate an object of 4kg by 2m/s^2 . Find it? [3]

15.

- i. Write characteristics of heart muscles? [3]
- ii. Differentiate between prokaryotic & Eukaryotic cells? [3]

16.

- i. draw a labelled diagram of plant cell OR Animal Cell? [5]
- ii. Write law of constant? [1]

17

- i. Write three Formula of Motion. [1.5]
- ii. Change 150°C in to Kelvin Temperature. [1.5]
- iii. Change 300 K to Celsius Temperature [1.5]
- iv. What is Boiling point of water. [1.5]