

DELHI PUBLIC SCHOOL, JAMMU
REVISION SHEET (Cycle Test –I)
SESSION: 2018-19

Class: IX

Sub: Science

Chapters Covered:

1. Motion
2. Force and Laws of Motion.
3. Matter in our Surroundings.
4. Is Matter around us Pure.
5. Fundamental unit of life.
6. Tissues.

SECTION A

- Q1. How does evaporation cause cooling?
- Q2. Why are proteins synthesized inside the cell?
- Q3. An athlete completes one round of a circular track of diameter 200 m in 40 s. What will be the distance covered and the displacement at the end of 2 min 20 s.
- Q4. What is osmosis?
- Q5. How does an Amoeba obtain its food?

SECTION B

- Q6. What are the characteristics of the particles of matter?
- Q7. Why the cell is called the structural and functional unit of life.
- Q8. Liquids generally have lower density as compared to solids. But you must have observed that ice floats on water. Find out Why.
- Q9. Explain the concept of conservation of linear momentum.
- Q10. Derive the equation for position time relation.
- Q11. A bullet of mass 20 g is horizontally fired with a velocity 150 m/s from a pistol of mass 2 kg. What is the recoil velocity of the pistol?
- Q12. Derive the mathematical formulation of Newton's second law of motion.
- Q13. Why is ice at 273 K more effective in cooling than water at the same temperature?
- Q14. Explain complex tissue in plants?
- Q15. Suggest a method to liquefy atmospheric gases.
- Q16. Why the plasma membrane is called a selectively permeable membrane?
- Q17. Differentiate between Homogeneous and heterogeneous mixtures with suitable examples of each.