

**Q-1. Answer Any Four of the following in short.** (08)

1. Write two characteristics of Colloidal solution.
2. Define Evaporation. State the factors affecting Evaporation process.
3. Write four points of difference between Balanced and Unbalanced force.
4. State the principle of Archimedes with an illustration.
5. Why the Cell is called as the structural and functional unit of a cell?

**Q-2. Answer Any One question of the following in detail.** (10)

1. Prepare a Lesson Plan for teaching Any Unit in Science and Technology in class 9 Semester -I in the context of following points.

1. Content Analysis
2. Questions for Evaluation and Assignment
2. Develop a lesson plan for teaching a Concept of "Motion" in class 9.
  1. Specific Objectives
  2. Classroom Interaction; Activities and Questions

**Q-3. Answer Any Three Of the following in short.** (09)

1. Explain the meaning and characteristics of Axiom "Concrete to Abstract" along with illustration.
2. Explain the general objectives of Science Teaching at Secondary School level.
3. Prepare a short note on 'Recent Trends In Science Teaching'.
4. Explain the steps of 'Science As a Process' with an example.

**Q-4.(A) Answer Any One of the following question.** (04)

1. Give an example of Improvised Apparatus and explain its importance in the classroom.
2. 'The General Science laboratory is inevitable at secondary school level'. Write the importance of Science laboratory in reference to this statement.

**Q-4.(B) Write a short-note on Any one of the following.** (04)

1. Causes of Diseases
2. Newton's Third Law of Motion and Its Illustrations

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(2)