



# Nishant eAcademy

## CBSE Sample Paper Class 12 Science 2021-22

Subject: Science Class: 12 Maximum Marks: 70 Duration: 3 hours

Section A: Objective Type (20 marks)

1. Multiple Choice Questions: a) The process by which a liquid changes into a solid state is called: (A) Sublimation (B) Evaporation (C) Condensation (D) Freezing  
b) Which of the following is an example of a covalent compound? (A) Sodium chloride (NaCl) (B) Calcium carbonate (CaCO<sub>3</sub>) (C) Water (H<sub>2</sub>O) (D) Potassium hydroxide (KOH)
2. Fill in the blanks: a) The process of conversion of light energy into chemical energy is called \_\_\_\_\_. b) The SI unit of electric current is \_\_\_\_\_.

Section B: Short Answer Type (30 marks)

3. Define electromagnetic waves and give examples of different types of electromagnetic waves.
4. Explain the working principle of a transformer.
5. Differentiate between exothermic and endothermic reactions with examples.
6. Write the balanced chemical equation for the reaction between sodium and water.

Section C: Long Answer Type (20 marks)

7. Explain the process of photosynthesis in plants.
8. Discuss the principles and applications of nuclear energy.
9. Explain the concept of genetic engineering and its applications in agriculture and medicine.