



# Nishant eAcademy

## CBSE Sample Paper Class 11 Science 2020-21

Subject: Science Class: 11 Maximum Marks: 70 Duration: 3 hours

Section A: Multiple Choice Questions (20 marks)

1. Which of the following elements has the highest electronegativity? (A) Hydrogen (B) Oxygen (C) Fluorine (D) Chlorine
2. Which of the following is an exothermic reaction? (A) Burning of wood (B) Melting of ice (C) Evaporation of water (D) Photosynthesis

Section B: Short Answer Type (30 marks)

3. Define isotopes. Give an example.
4. Explain the process of osmosis with the help of a diagram.
5. Write the chemical equation for the reaction between sodium and water.
6. State Archimedes' principle and explain how it is related to the buoyant force.

Section C: Long Answer Type (20 marks)

7. Explain the process of photosynthesis and write the balanced chemical equation for it.
8. Describe the structure and function of DNA.
9. Explain the different types of chemical reactions with suitable examples.