



Nishant eAcademy

CBSE Sample Paper Class 12 Science 2022-23

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

Section A: Objective Type (20 marks)

1. Multiple Choice Questions: a) Which of the following is not a greenhouse gas?
(A) Carbon dioxide (B) Methane (C) Nitrous oxide (D) Oxygen
b) Which of the following is an example of a primary pollutant? (A) Ozone (B) Sulfur dioxide (C) Volatile organic compounds (D) Smog
2. Fill in the blanks: a) The process of conversion of nitrogen gas into nitrogen compounds is called _____. b) The process of converting light energy into chemical energy in plants is known as _____.

Section B: Short Answer Type (30 marks)

3. Explain the process of cell division in eukaryotic cells.
4. Describe the working principle of a nuclear power plant.
5. Differentiate between renewable and non-renewable sources of energy.

Section C: Long Answer Type (20 marks)

6. Discuss the causes and effects of air pollution. Also, suggest measures to control air pollution.
7. Explain the functioning of a microscope with the help of a labeled diagram.
8. Describe the process of DNA replication.