



Nishant eAcademy

CBSE Sample Paper Class 12 Science 2020-21

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

Section A: Objective Type (20 marks)

1. Multiple Choice Questions: a) The process of conversion of glucose into ethyl alcohol and carbon dioxide is called: (A) Fermentation (B) Respiration (C) Transpiration (D) Oxidation
b) Which of the following elements is a metalloid? (A) Carbon (B) Oxygen (C) Silicon (D) Nitrogen
2. Fill in the blanks: a) The process of separation of components of a mixture based on their boiling points is called _____. b) The SI unit of electric current is _____.

Section B: Short Answer Type (30 marks)

3. Differentiate between exothermic and endothermic reactions.
4. Explain the working principle of an electric motor.
5. State the laws of reflection of light.
6. Define half-life in the context of radioactive decay.

Section C: Long Answer Type (20 marks)

7. Explain the process of photosynthesis with the help of a chemical equation.
8. Describe the structure and functions of DNA.
9. Discuss the applications of biotechnology in the field of medicine.