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CBSE Sample Paper Class 10 Science 2022-23

Subject: Science Class: 10 Maximum Marks: 80 Duration: 3 hours

Section A: Objective Type Questions (1 mark each)

1. What is the molecular formula of water? a) H b) O c) HO d) H₂O
2. Which gas is released during photosynthesis? a) Oxygen b) Carbon dioxide c) Nitrogen d) Hydrogen

Section B: Short Answer Type Questions (2 marks each)

3. Define inertia. Give an example from daily life.
4. Why do we see a mirage in a desert?

Section C: Short Answer Type Questions (3 marks each)

5. Differentiate between autotrophic and heterotrophic nutrition.
6. Why is the ozone layer important for living organisms? What is its role?

Section D: Long Answer Type Questions (5 marks each)

7. Describe the process of fermentation with a suitable example.
8. Explain the working of a concave lens with the help of a ray diagram.

Section E: Map-Based Questions (5 marks each)

9. On the outline map of India, mark and label the following: a) The state in which the Coromandel Coast is located. b) The capital of Madhya Pradesh.

Section F: Higher Order Thinking Skills (HOTS) Questions (5 marks each)

10. A ball is dropped from a height of 20 meters. Calculate its final velocity just before hitting the ground.



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11. A plant cell is kept in a hypertonic solution. Explain what will happen to the cell.

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