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CBSE Sample Paper Class 10 Science 2019-20

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

Section A: Objective Type Questions (1 mark each)

1. Which of the following is not a greenhouse gas? a) Carbon dioxide b) Nitrogen c) Methane d) Ozone
2. Which of the following statements is true about the process of osmosis? a) It is the movement of water molecules from a region of higher concentration to a region of lower concentration through a semi-permeable membrane. b) It is the movement of solute particles from a region of higher concentration to a region of lower concentration through a semi-permeable membrane. c) It is the movement of water molecules from a region of lower concentration to a region of higher concentration through a semi-permeable membrane. d) It is the movement of solute particles from a region of lower concentration to a region of higher concentration through a semi-permeable membrane.

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

3. Explain the process of photosynthesis in plants.
4. Differentiate between renewable and non-renewable sources of energy.

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

5. Describe the structure and functions of the human respiratory system.
6. A student sets up an experiment to show that light is necessary for photosynthesis. Explain the steps of the experiment and the observations expected.

Section D: Higher Order Thinking Skills (6 marks each)

7. A concave lens of focal length 15 cm forms an image 10 cm from the lens. Determine the nature and position of the image.



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8. Explain the process of biogas production and its advantages as a renewable source of energy.

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