

**Section A - Multiple Choice Questions**

- Q1. Which of the following is NOT a characteristic of a living organism? (1 marks)
- Q2. What is the SI unit of force? (1 marks)
- Q3. Which of the following chemical reactions is an example of a displacement reaction? (1 marks)

**Section B - Fill in the Blanks**

- Q1. The process by which plants convert light energy into chemical energy is called \_\_\_\_\_. (1 marks)
- Q2. The force of attraction between any two objects with mass is called \_\_\_\_\_. (1 marks)

**Section C - Short Answer Questions**

- Q1. Explain the difference between speed and velocity. (3 marks)
- Q2. Describe the structure of a neuron. (3 marks)
- Q3. What are the different types of chemical reactions? Give one example for each. (3 marks)
- Q4. Explain the process of osmosis with a suitable example. (3 marks)

**Section D - Long Answer Questions**

- Q1. Explain Newton's three laws of motion with suitable examples. (5 marks)
- Q2. Describe the different types of tissues found in plants. Mention their functions. (5 marks)
- Q3. Explain the process of photosynthesis in detail, including the role of chlorophyll and various factors affecting it. (10 marks)