**PMSHRI KENDRIYA VIDYALAYA SAURKHAND**

**HALF YEARLY EXAMINATION - SCIENCE CLASS 7**

Maximum Marks: 70

Time: 3 Hours

All questions are compulsory.

Answer the questions in the given space.

|  |  |  |
| --- | --- | --- |
| **SECTION A (1 Mark Each)** | | |
| 1 | Which of the following is not a greenhouse gas?  (a) Carbon dioxide  (b) Methane  (c) Oxygen  (d) Water vapor | 1 |
| 2 | The process of conversion of water into water vapor is called \_\_\_\_\_\_\_\_. | 1 |
| 3 | What is the SI unit of force?  (a) Newton  (b) Joule  (c) Watt  (d) Pascal | 1 |
| 4 | The force that opposes the motion of an object is called \_\_\_\_\_\_\_\_. | 1 |

|  |  |  |
| --- | --- | --- |
| **SECTION B (2 Marks Each)** | | |
| 5 | Explain the process of photosynthesis in plants. | 2 |
| 6 | How does a concave lens diverge light rays? | 2 |
| 7 | Why do we see a rainbow after rain? | 2 |

|  |  |  |
| --- | --- | --- |
| **SECTION C (3 Marks Each)** | | |
| 8 | Explain the concept of reflection of light with the help of a diagram. | 3 |
| 9 | Describe the structure of a plant cell and its functions. | 3 |
| 10 | A car is moving with a velocity of 20 m/s. Calculate the distance it travels in 5 seconds. | 3 |