**PMSHRI KENDRIYA VIDYALAYA SAURKHAND**

**HALF YEARLY EXAMINATION - SCIENCE CLASS 10**

Maximum Marks: 70

Time: 3 Hours

All questions are compulsory.

Answer the questions in the given space.

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| **SECTION A (1 Mark Each)** | | |
| 1 | What is the unit of electric current?  (a) A. Ampere  (b) B. Volt  (c) C. Ohm  (d) D. Watt | 1 |
| 2 | The SI unit of power is \_\_\_\_\_\_\_\_. | 1 |
| 3 | Which of the following is a non-metal?  (a) A. Iron  (b) B. Copper  (c) C. Oxygen  (d) D. Silver | 1 |
| 4 | The process of conversion of water into its constituents is called \_\_\_\_\_\_\_\_. | 1 |

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| **SECTION B (2 Marks Each)** | | |
| 5 | Explain the process of photosynthesis in plants. | 2 |
| 6 | Describe the working principle of an electric generator. | 2 |
| 7 | How does the use of plastic bags affect the environment? Explain with examples. | 2 |

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| **SECTION C (3 Marks Each)** | | |
| 8 | Explain the concept of refraction of light with the help of a diagram. | 3 |
| 9 | A car covers a distance of 400 km at an average speed of 80 km/hr. Calculate the total time taken for the journey. | 3 |
| 10 | Discuss the harmful effects of air pollution on human health and the environment. Suggest measures to control air pollution. | 3 |