**PMSHRI KENDRIYA VIDYALAYA SAURKHAND**

**HALF YEARLY EXAMINATION - SCIENCE CLASS 8**

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 | Which of the following is an example of a non-metal?  (a) Iron  (b) Oxygen  (c) Silver  (d) Copper | 1 |
| 2 | The process of conversion of a liquid into vapour is called \_\_\_\_\_\_\_\_. | 1 |
| 3 | Which of the following is a greenhouse gas?  (a) Oxygen  (b) Carbon Dioxide  (c) Nitrogen  (d) Argon | 1 |
| 4 | The unit of electric current is \_\_\_\_\_\_\_\_. | 1 |

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| **SECTION B (2 Marks Each)** | | |
| 5 | Explain the process of photosynthesis in plants. | 2 |
| 6 | Describe an application of Bernoulli's principle in everyday life. | 2 |
| 7 | How does the process of digestion take place in the human body? | 2 |

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| **SECTION C (3 Marks Each)** | | |
| 8 | Explain the working principle of a transformer with the help of a diagram. | 3 |
| 9 | A block of mass 5 kg is at rest on a rough horizontal surface. A force of 20 N is applied to the block. Calculate the frictional force acting on the block if the coefficient of friction is 0.4. | 3 |
| 10 | Explain the concept of refraction of light with the help of an example. | 3 |