

**I. Fill in the blanks (5)**

1. \_\_\_\_ is the mass of proton.
2. The discoverer of plum pudding model is \_\_\_\_.
3. \_\_\_\_ is the formula for hydrogen sulphide.
4. \_\_\_\_ is an example of a metalloid.
5. Hard and lustrous elements are \_\_\_\_.

**II. Correct the statements (3)**

1. Crystals are formed when the solution is heated upto  $10^0$  C.
2. Nucleus of an atom was discovered by Neil Bohr.
3. The valency of krypton is 2.

**III. Give one word answers (4)**

1. Neutron was discovered by:
2. The number of protons present in potassium
3. The solid particle and left behind on the filter paper
4. The process of occurrence of radish brown substance on iron material.

**IV. Answer the following questions (8)**

1. Spoiling of food is a chemical or physical change, justify your answer.
2. Mixtures have variable composition why?
3. What is mass number of an atom explain with an example.
4. How does electronic configuration helps in determining the valency of an atom?