**GENERAL CHEMISTRY-II**

UNIT -I

1. What is an ionic bond?
2. Define: Lattice energy.
3. Define: Covalent bond.
4. State Fajan’s rule?
5. What is mean by Hybridization?

UNIT -II

1. Explain the diagonal relationship between beryllium and analuminium.

2. Give six example for inert gas.

3. Discuss the position of hydrogen in the periodic table?

4. What are the used of sodium hydroxide and sodium carbonate?

5. Write a note on alkali metal oxides.

UNIT -III

1. Explain Hackle’s rule to predict aromaticity.
2. State the uses of Naphthalene.
3. Discuss the structure of Naphthalene.
4. Define: Aromaticity.
5. Explain with example electrophilic substiution ?

UNIT –IV

1. What are the uses of haloalkanes?
2. Write the chemical properties of haloalkanes.
3. What is electrophilic? Give an example.
4. How do prepare halobenzene?
5. Explain the Mechanism of electrophilic substitution in benzene with an example.

UNIT -V

1. Write De-Broglie equation.
2. Write shordiger equation.
3. State and explain Heisenberg’s uncertainty principle.
4. Describe the Rutherford’s atom model.
5. Write short note on black body radition.