

B.Sc DEGREE EXAMINATION, EVEN SEMESTER 2021
II Year IV Semester
General Chemistry-VII

Max.marks :25

Answer any **FIVE** questions ($5 \times 5 = 25$) Marks

1. a.State Huckels rule of aromaticity.
b. Explain the mechanism of nitration of benzene.
2. a. What is meant by NPK fertilizers?
b. How is hyponitrous acid prepared? Describe its nature.
3. How is peroxodisulphuric acid prepared? Discuss its properties and structure.
4. a. Explain the uses of SO_2 .
b. Write any two examples of thionic acids.
5. Explain the chemistry of borazine.
6. Discuss the synthesis and structure of Silicones.
7. a. What are the difference between trace metals and toxic metals?
b. Mention any two applications of iron in biological systems.