

B.Sc DEGREE EXAMINATION, EVEN SEMESTER 2021
II Year III Semester
Allied Chemistry - I

Max.marks :25

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

1. Explain the preparation, hybridization and shape of IF₇.
2. Discuss any two methods of refining of metals.
3. Explain Carnots cycle and efficiency of heat engine.
4. Write the principle and applications of column chromatography.
5. Predict the hybridisation of acetylene and explain its shape.
6. Give any five differences between maleic and fumaric acid.
7. Elucidate the structure of naphthalene with a method of synthesis.