

**B.Sc DEGREE EXAMINATION, EVEN SEMESTER 2021**  
**III Year VI Semester**  
**Organic Chemistry - II**

**Max.marks :25**

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

1. Write any one method of preparation for the following compounds:  
(i) Benzaldehyde (ii) Salicylaldehyde (iii) Benzophenone
2. Discuss the primary and secondary structure of proteins.
3. Explain the structure of sucrose with Fischer, Haworth projection and chair conformation.
4. Elucidate the structure of piperine.
5. Discuss the methods of structure determination of ascorbic acid.
6. Write the mechanism of Pinacol-Pinacolone rearrangement with a suitable example. Highlight any one of its application.
7. Explain the mechanism of Hoffmann's rearrangement.