

B.Sc. DEGREE EXAMINATION, ODD SEMESTER 2020
II Year III Semester
General Chemistry - VI

Max.marks :25

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

1. Describe the effect of substituents on acidic strength of carboxylic acid.
2. Write the reaction and mechanism of Curtius rearrangement.
3. (a) How will you prepare diethyl ether by Williamson synthesis? (2)
(b) Write the reactions of diethylether with a. (i) H_2SO_4 (ii) HBr (iii) 2HI (3)
4. Discuss the uses of organolithium and organolead compounds.
5. List the common food adulterants present in
a. (i) rice (ii) milk (iii) dhal (iv) pepper (v) ghee
6. Explain the theory of complexometric titration.
7. Define the following terms
a. (i) molality (ii) normality (iii) mole fraction b. (iv) primary standard (v) secondary standard.