

- b) Classify the proteins on the basis of their composition. (5)
- Q-4 Attempt all questions (10)**
- a) Explain primary, secondary, tertiary and quaternary structure of protein. (5)
- b) Explain kjeldah'l method in detail with figure. (5)
- Q-5 Attempt all questions (10)**
- a) Write a short note on Carius method for estimation of halogen with figure. (5)
- b) Explain classification of carbohydrates with example. (5)
- Q-6 Attempt all questions (10)**
- a) Write a note on mutarotation with proper diagram. (5)
- b) Give the following reaction for glucose and fructose. (5)
- i) Osazone formation ii) Acetylation
- Q-7 Attempt all questions (10)**
- a) Explain the rules for assigning electrons in atomic orbital. (5)
- b) Explain structure and function of different types of DNA. (5)
- Q-8 Attempt all questions (10)**
- a) Explain derivatives of monosaccharides. (5)
- b) Describe the chemical and physical properties of nucleic acid. (5)

