

and procedure involved in the synthesis of Gly-Ala.

- b)** What are the major and minor bases found in nucleic acid? Draw the structures and explain the tautomeric forms of major bases. (7)

Q-5 **Attempt all questions** (14)

- a)** What is the Chargaff's rule of DNA composition? Explain the Watson and Crick DNA model. (7)
- b)** Explain structure and functions of different types of RNA. (7)

Q-6 **Attempt all questions** (14)

- a)** Write a note on different stereoisomers of D-glucose. (7)
- b)** Discuss the structure and functions of starch, glycogen and cellulose. (7)

Q-7 **Attempt all questions** (14)

- a)** Draw and explain different reactions associated with the chemical properties of monosaccharide. (7)
- b)** Write a note on structure and functions of phospholipids. (7)

Q-8 **Attempt all questions** (14)

- a)** Write a note on organization of protein structure. Give an account of the determination of tertiary structure of protein. (7)
- b)** Explain the classification of proteins based on their physical and chemical properties with suitable examples. (7)

