



- b) Write a note on the synthesis of polypeptide. (5)
- Q-4 Attempt all questions (10)**
- a) Write the electronic configuration of Na to Ca elements (5)
- b) Explain the general reaction of monosaccharides due to presence of -OH, -CO- and -CHO group. (Any two reactions) (5)
- Q-5 Attempt all questions (10)**
- a) Discuss any two types of chemical bonds with proper examples. (5)
- b) Discuss stereo and optical isomerism in the sugar (5)
- Q-6 Attempt all questions (10)**
- a) Write the properties of nucleic acids (5)
- b) Write biological importance of insulin, glutathione (5)
- Q-7 Attempt all questions (10)**
- a) An organic substance on analysis was found to contain 10.06% C, 0.84 % H, and 89.10 % Cl, Calculate its empirical formula (5)
- b) Explain any two weak chemical forces. (5)
- Q-8 Attempt all questions (10)**
- a) Explain structure and function of different types of DNA. (5)
- b) Explain the shapes of the s, p and d orbitals (5)

