

- 3** Answer the following : (Compulsory Questions) **14**
- (a) Explain α -helix structure in detail.
 - (b) What is quaternary structure of Protein? Explain in detail.

OR

- 3** Answer the following : (Compulsory Questions) **14**
- (a) What is a Co-enzyme? Discuss briefly the Co-enzymes involved in group transfer.
 - (b) Define K_m and Line weaver Burk plot. Describe their importance.
- 4** Answer the following : (any two) **14**
- (a) Give the outline of Pentose Phosphate pathway and state its importance.
 - (b) Describe the sequential model for allosteric regulation.
 - (c) Describe the citric acid cycle and its significances.
 - (d) Write short notes on ED pathway.
- 5** Answer the following : (any two) **14**
- (a) What is significance of TCA cycle.
 - (b) What is holoenzyme? Describe the role of Flavin nucleotides and TPP as coenzymes.
 - (c) Explain formation of primary structure of protein in detail.
 - (d) What are the functions of phospholipids?
