



## SECTION – II

- Q-4 Attempt the Following questions 7**
- a. Both hydrolysis and denaturation can cause a protein to lose its function. True/False
  - b. The major organic molecules that make up the plasma membrane of the cell are ..... and .....
  - c. What is activation energy?
  - d. Dextrose is identical to glucose. True/False
  - e. Lactulose is a milk sugar. True/False
  - f. What is gluconeogenesis?
  - g. Write the names of fat-soluble vitamins?
- Q-5 Write short notes on- 7**
- a Acid base concept 7
  - b Phi and Psi angles of amino acids 7
- OR**
- Q-5 a Structure of lipid bilayer 7**
- b Pentose sugars 7**
- Q-6 Write short notes on- 7**
- a Biopolymers 7
  - b Buffers 7
- OR**
- Q-6 Attempt all Questions 7**
- a What are Immobilized enzymes? Explain their industrial applications. 7
  - b Explain the process of DNA replication in prokaryotic cell. 7

