

- (c) Explain fluid mosaic model of plasma membrane. (4)
- Q-5 Attempt all questions (14)**
- (a) Explain the cell-cell and cell- matrix interaction. (7)
- (b) Compare the cell organization in prokaryotes and eukaryotes. (7)
- Q-6 Attempt all questions (14)**
- (a) Write a note on ultrastructure and chemical composition of plant cell wall. (7)
- (b) Discuss the different mechanism of transport of small molecules across membranes. (7)
- Q-7 Attempt all questions (14)**
- (a) Give the ultra structure, chemical composition, and function of Golgi apparatus. (7)
- (b) Describe the typical structure of prokaryotic cell. (7)
- Q-8 Attempt all questions (14)**
- (a) Describe the major classes of cell surface receptors. Explain briefly G-protein linked and enzyme linked receptors? (7)
- (b) Explain the structure and function of microtubules and microfilaments with the help of neat and labeled diagram. (7)

