



- b. Write a brief note on synergism and antagonism. **05**  
c. Explain the factors affecting drug action. **04**

## SECTION – II

- Q-4**      **Attempt the following questions**      **(07)**
- a. Define: Agonist **01**  
b. Give only types of endocytosis. **01**  
c. Define the term: Bioisosteres **01**  
d. Define the term phagocytosis or “cellular eating” **01**  
e. Define: Prodrug **01**  
f. What is called Lead compound? **01**  
g. Write name of source and activity of drug-Salicylate. **01**
- Q-5**      **Attempt all questions**      **(14)**
- a. Discuss the enteral routes of drug administrations. **07**  
b. Explain the mechanism of drug absorption. **07**
- OR**
- Q-5**      **Attempt all questions**      **(14)**
- a. Explain the factors affecting drug distribution. **07**  
b. Discuss the important physicochemical properties of molecules for QSAR study. **07**
- Q-6**      **Attempt all questions**      **(14)**
- a. Discuss the methods of lead discovery. **07**  
b. Define SAR and explain the SAR of barbiturates. **07**
- OR**
- Q-6**      **Attempt all questions**      **(14)**
- a. Write a note on receptor antagonist. **07**  
b. Explain the phase-I and Phase-II metabolism. **07**

