

SECTION – II

- Q-4** **Attempt the following questions** **(07)**
- a. What is called Downregulation? **01**
 - b. Write the equation of Therapeutic Index. **01**
 - c. Define the term: Pharmacophore **01**
 - d. Write the full form of MIC. **01**
 - e. Define: Soft drug **01**
 - f. Define: Lead compound **01**
 - g. Write the statement of Fick's Law for diffusion. **01**
- Q-5** **Attempt all questions** **(14)**
- a. Write a note on routes of drug administrations. **07**
 - b. Write a note on Carrier- mediated transport. **07**
- OR**
- Q-5** **Attempt all questions** **(14)**
- a. Explain the Renal Elimination process. **07**
 - b. Write a note on phagocytosis and pinocytosis. **07**
- Q-6** **Attempt all questions** **(14)**
- a. Discuss the methods of lead identification. **07**
 - b. Explain a note on Hansch Analysis and Free Wilson Analysis. **07**
- OR**
- Q-6** **Attempt all questions** **(14)**
- a. Explain Bioisosteres concept with classification. **07**
 - b. Discuss any two important pharmacokinetic parameters. **07**

