



- Notes :
1. All questions carry equal marks.
 2. Illustrate your answers wherever necessary with the help of neat sketches.
 3. Questions No.1 is compulsory & solve **any four** from remaining.

1. Solve **any four** from following. **16**
 - i) Define paratonic solution and hypotonic solution.
 - ii) Why Solid dosage forms are generally preferred?
 - iii) Explain about alcohol dilution.
 - iv) Describe about proof spirit.
 - v) Describe about organoleptic additives.
2. Classify and explain different dosage form with suitable example. **16**
3.
 - a) Describe about vehicles and give reason why water is commonly used as vehicles. **8**
 - b) Explain in details about physical Incompatibility. **8**
4. Briefly describe factors influencing dose and action of drug. **16**
5.
 - a) Describe about History of I.P. **10**
 - b) Explain about B.P. **6**
6. Define isotonic solution. What are the principles for adjusting isotonicity? Write the methods to calculate isotonicity of solution. **16**
7. Write a short notes on **any four** **16**
 - i) Displacement value
 - ii) Therapeutic Incompatibility
 - iii) Polymer & their applications.
 - iv) Pharmaceutical code of ethics
 - v) Diluents
