

35157 : Pharmaceutical Analysis - I : T-4.3

P. Pages : 1

Time : Three Hours

**AW - 2303**

Max. Marks : 60

- Notes :
1. All question carry equal marks.
 2. Answer **any five** questions.
 3. Diagrams and chemical equations should be given wherever necessary.
 4. Use of pen Blue/Black ink/refill only for writing the answer book.

1. Explain theory & principle of precipitation titration. Write Volhard's method of assay of sodium chloride. **12**
2. Explain concept of complexation and chelation. Write about stability and factors affecting stability of complex. **12**
3. Write about theory of redox titration. Write assay of hydrogen peroxide. **12**
4. Explain following terms. **12**
 - i) Mode & medium.
 - ii) Primary & secondary standards.
 - iii) Precision and accuracy.
5. Explain about neutralization curves occurred in acid base titration. Write assay of aspirin powder. **12**
6. Explain about different types of solvents with examples. Write a note on solvents used in non-aqueous titration. **12**
7. Write short note on **any two**. **12**
 - i) Assay of sulphanilamide.
 - ii) Law of mass action.
 - iii) Acid base concept.
