SEMESTER-IV

ESTIMATION OF THE DRUGS

PRACTICAL

ProgrammeM.Sc **Max. Marks: 50**
Course code: P20/CHE/DSC/40 **No. of Hrs/week : 4 Hr**
Course Type: DSC-2
No. of Credits-2

COURSE OUTCOME:

CO1 :Discuss the fundamental of volumetric analysis, significance of quality control in pharmaceutical analysis and use methods of concentration expression and Employ different theories

CO2.: Estimation of the Drug using different methods like titrimetry, argentometry,Iodometry, Cerimetry and Complexometry.

Estimation of the Drugs

Estimation of the following Drugs:

1. Aspirin (Titrimetry)
2. Ibuprofen (Titrimetry)
3. Analgin (Titrimetry)
4. Chloride in Ringer's lactate (Argentometry)
5. Ascorbic Acid (Titrimetry,Iodometry and Cerimetry)
6. Isoniazid (Iodometry)
7. Zn ions in Bacitracin Zinc
8. Ca^{+2} ions in Calcium gluconate injection (Complexometry)

REFERENCE BOOKS:

1. Analytical chemistry by G N David Krupadanam et.al
2. Advanced practical medicinal chemistry by Ashutoshkar
3. Pharmaceutical drug analysis by AshutoshQuantitative analysis of drugs in pharmaceutical formulations by P D Sethi
4. Practical pharmaceutical chemistry part-1 and part-2 by A H Beekett and J B Stenlake

SEMESTER-IV

PRACTICAL MODEL QUESTION PAPER

Course Code: P20/CHE/DSC/402/P **Max. Marks: 50**
Credits: 2 **Time: 3hrs**

1. Explain the principle involved in the Volumetric Estimation of a given drug (CO1)	**10 M**
2. Estimation of a given drug. (CO2)	**25 M**
3. Record + Attendance	**5 M**
4. Viva voce	**10 M**