

SEMESTER-III
PAPER 4 PRACTICE OF CHEMISTRY SOFTWARE PROGRAMMES
PRACTICAL SYLLABUS

Program: me: M.Sc.

Course Code P20/CHE/DSE/302/P

Course Type: DSE-02

No. of Credits: 2

Max. Marks: 50

No. of Hrs. allotted: 4 Hrs / week

COURSE OUTCOMES:

CO1. To analyze IR and NMR spectra of organic compounds using ACD/IdNMR processor. Drawing graphs using EXCEL, Molecular docking by iGEM Docking software

1. Chem Draw
2. Analysis of IR and NMR using ACD/Id NMR processor.
3. EXCEL: Drawing graphs
4. Sequence retrieving from NCB, PDB-Structures and active site identification interactions in PDB
5. Molecular docking (iGEMDOCK).
6. Sequence Retrieving from NCBI
7. PDB - Structures, Active site Identification and Interactions in PDB

SEMESTER III

PAPER-4 PRACTICE OF CHEMISTRY SOFTWARE PROGRAMMES

MODEL PRACTICAL QUESTION PAPER

Course Code: P20/CHE/DSE/302/P
Credits: 2

Time: 3hrs
Max. Marks: 50

- Q1. To analyze IR and NMR spectra of organic compounds using ACD/IdNMR Processor. (CO1) 10 M
- Q2. Write about Molecular docking by iGEM Docking software and interpret the results (CO1) 25 M
- Q3. Record + Attendance 5 M
- Q4. Viva voce 10 M