CS- 305 Data Structures

Unit I

UNIT II

UNIT III

UNIT IV
Internal and External sorting, Insertion Sort, Bubble Sort, selection sort Quick Sort, Merge Sort, Heap Sort, Radix sort, Searching & Hashing: Sequential search, binary search, Hash Table, Hash Functions, Collision Resolution Strategies, Hash Table Implementation. Symbol Table, Static tree table, Dynamic Tree table.

Unit V

Reference:
2. ISRD Group; Data structures using C; TMH
3. Lipschutz; Data structure (Schaum); TMH
6. Data Structures Trembley and Sorenson, TMH Publications
7. Pai; Data structure and algorithm; TMH
8. Introduction to Algorithm- Corman, AWL

List of Experiments (expandable):
Programs in C relating to different theory units.