	Topics For End Semester Examination	Mark Division (**Tentative**)
1	Introduction to Algorithms	15 Marks
2	Pseudocode conventions	
3	Linear search	
4	Binary Search	
5	Correctness proof of simple algorithms	
6	Insertion sort, Selection sort - Algorithms,	
7	Divide and Conquer Paradigm	
8	Merge Sort & Quick Sort	
9	Heap Sort, Priority Queue and its applications	
10	Asymptotic notations	
11	Analysis of Algorithms.,recurrence	25 Marks
12	Linked Lists	
13	Stack	
14	Queue	
15	Binary Tree : Inorder, Preorder and Postorder Traversals	
16	Infix, Postfix and Prefix expression and Conversions	
17	Expression Tree	
18	Expression evaluation	
19	Binary Search Tree and its operations	
20	Memory Management	10 Marks
21	Garbage collection algorithms	
22	Storage allocation for objects	
23	Buddy systems	
24	Storage compaction	