Time:2Hrs   **Maximum Marks: 30**

Qn. No.	PART – A Answer all questions	Marks	BL	CO
1 a.	Difference between stack and queue	3	L1	1
b.	Compare and contrast binary tree and binary search tree	3	L1	1
c.	Write a short note on bitstring.	3	L1	1
d.	Explain Makeset, Union and find in disjoint DS with an example	3	L1	1
2	Explain the operations such as insertion and deletion in Singly Linked list with an example.	6	L2	1
3	Discuss about amortized analysis and any two methods in detail.	6	L2	1
4	Explain collision and collision resolution technique with example.	6	L2	1