(i)	Printed Pages: 2	Roll No					
(ii)	Questions : 9	Sub. Co	de:	0	3	9	2
		Exam. Co	de:	0	0	0.	4
	B.A./B.Sc.	General) 4th Sc (2054)	emesto	r			
	COMP	UTER SCIEN	CE				
	Paper—C	S08 (Data Struc	ctures))			
Tim	a Allowed - Three How	1				•	30
1 1111	e Allowed : Three Hou	rsj	[Maxi	mum	Mai	rks :	30
Note	which is compuls Unit-I to IV.						
		UNIT—I					
1.	What is stack? How can Describe it using suitab		evalua	te an	expre	essio	on ?
2.	What is Data structure 'performed on a data str		us ope	ration	s tha	t can	be 6
		UNIT—II					
3.	What is linked list? Willinked list.	ite an algorithm	to ins	ert an	elem	ent i	in a
4.	What is queue? How it	is different from	a stacl	c? De	scrib	e de	lete

operation on a queue with suitable example.

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5.	Describe various types of graphs in Data structure.					
6.	What is binary tree? Describe in order method to traverse tree with suitable example.	a binary				
	UNIT—IV					
7.	Write various steps to sort below given elements using a algorithm of your choice:	sorting				
	25 19 9 11 35 5 30 8	6				
8.	Describe binary search method with a suitable example.	6				
	UNIT—V					
9.	(Compulsory) Answer the following questions with suitable example:					
	(a) What is complexity? How it is expressed?					
	(b) What is doubly linked list?					
	(c) What is complete graph?					
	(d) What is best and worst case complexity of linear search? 4×1.5=6					