

50	hoice ©		Ω.3	c	(B	ê	Q.2			-			w	٧w	Fi	rst	R	ank	er	.co	m		W	ww	/.Fi	rst	Ra	nk	er.c	8	n			
	Write the algorithm for finding transpose of sparse matrix and explain its logic.	Explain radix sort with example.	+	Explain Linear search with code & an example.	What are the different Asymptotic notations? Explain them in detail.	Explain open addressing with its different types in detail.	-	a. none of above	di coni di decere	c both of above	than socially	h the architecture of computer memory does not allow around to story other	a. by this way computer can keep track only the address of the first element	The elements of an array are stored successively in memory cells because		The complexity of linear search algorithm is				Counting the maximum memory needed by the alcorithm	The space factor when determining the efficiency of algorithm is measured	Assuming int is of 4 bytes, what is the size of int arr1151?	d) All of the mentioned	_			2 What are the disadvantages of an	b) many zero entries c) nigner dimension	Sparse matrices have	Þ	-	Instructions to the Students: 1. Check whether you have received the right question paper. 2. Assume suitable data, wherever required.	Mid Semester Examination – Oct 2019 Course: B. Tech in Comp Science & Engineering Sem: III Subject Name: <u>Data Structure</u> Max Marks: 20 Date: - 5 10 9 Duration: 1 Hr.	LONERE
	Understand, Apply	Apply		Illustrate	Understand	Understand	4																								(Level/CO)			
-			8				3*2						w	٧w	.Fi	rst	tRa	ank	er	.co	m		,							6	Marks		nueti La let	7,