H-1370

Total No. of Printed Pages:02

SUBJECT CODE NO:- H-1370 FACULTY OF SCIENCE AND TECHNOLOGY S.Y.B.Tech. (Electrical) (Sem-III) Data Structure [Revised]

		[Keviscu]	
[Time:	TWO Hours]		[Max.Marks:40
N.B	1	 ase check whether you have got the right question Question No.1 from section A and Question No. Attempt any two questions from remaining quesction B. Figure to the right indicate full marks. 	o. 6 are compulsory.
		Section A	\$ \$ \ 4 \ 3 \ 5 \ 5 \ 5 \ 5 \ 5 \ 5 \ 5 \ 5 \ 5
Q.1	c) What is mean	tructure. Data structure. t by sorting pe and Abstract Data Type.	06
Q.2	a) Sort the seque	ence 3, 1, 4,1,5,9,2,6,5 using Bubble sort. peration and implementation of selection sort.	04 03
Q.3	- U.S. C. N. T. C. N. F.	ing of an array with example. erent sorting Algorithms.	04 03
Q.4	a) Explain Abstrb) Write a short	ract Data type. note on primitive and non – primitive Data Struct	ures. 04
Q.5	1	am to implement bubble sort. er variable? Explain with example.	04 03
BOOK	\$ \$ \$ \$ \$ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\	Section B	
Q.6	Attempt any Three o a) Define binary b) What is Queu c) What is single d) What are the e) Define degree	tree. e? e linked list? initial values of top, front, rear?	06
Q.7	6'	h? Explain with example. ept of linear data structure.	04 03
0.8	a) Describe Ring	y ary search tree with example	04

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	b) Write short note on different types of linked lists.	03
Q.9	a) Write a program to implement stack using array.	04
	b) Make a binary search tree for the following sequence of numbers. 45, 36, 76, 23, 89, 115, 98, 39, 41, 56, 69, 48	03
Q.10	a) Write a routine to insert an element in a linked list.b) Explain working of Queue with example.	04 03