Professional Course Examination, January, 2021

(3rd Semester)

BACHELOR OF COMPUTER APPLICATIONS

Paper No.: BCA/3/CC/18

(Data Structure using C Lab) (Revised)

(Practical)

Full Marks: 75

Time: 3 hours

The figures in the margin indicate full marks for the questions

SECTION-A

			Answer any t	:wo questions		
1. Wr it.	te a C Program to construct a Stack of integers and to perform the following				operations on 10	
11.	a. Push	b. Pop	c. Display		10	
2. Write a C program using quick Sort.					10	
3. Write a recursive C Program for Solving the Tower of Hanoi problem					10	
	ite a C Progrande the following a. Insert		he working of c. Display	a circular queue of integers using an	array. 10	
			·	ION - B two questions		
5. Wr	ite a C Program a. insert (firs		doubly linked elete (first)	list and perform the following opera c. Display	tions: 15	
6. Wr	b. To travers	m- net a binary sea e the tree using the elements	g inorder	tegers.	15	
	ite a recursive y Search metho	_	r searching an	element on a given list of integers us	sing the	
8. Viv	70		SECTI	ION - C	15	
O. VIV	a				13	

10

9. Record Book