## B.Sc. (Part-I) Semester-II Examination COMPUTER SCI./COMPUTER APPLI./INFORMATION TECH. (OLD) (Upto Data Structure and Advance C)

Time : T	hree	Hours]		[Maximum Mar	ks : 80
Note :-	(1)	All questions are compulsory.			
	(2)	Question 1 carries 8 marks and all other	questio	ns carry 12 marks each.	
	(3)	Assume suitable data wherever necessary	_	·	
2.1. (A)		in the blanks :-			
	(i)	The logical or mathematical model of	a partic	cular organization of data is	s called
	` '		•		
	(ii)	Adding data item at the end of file is	called	operation.	
	(iii)	Stack is data structure.			
	(iv)	A function call within itself is also ca	lled	·	2
(B)	Cho	ose the correct alternative:			
	(i)	Traversing means:			
		(a) Visiting an element	(b)	LIFO	
		(c) Processing at end	(d)	FIFO	
	(ii)	fscanf ( ) function read data from :			
		(a) Keyboard	(b)	Mouse	
		(c) File	(d)	None of these	,
	(iii)	Deleting an element from stack is call	ed:		
		(a) PUSH	(b)	FRONT	
		(c) POP	(d)	REAR	
	(iv) The end of linked list is marked by value in the LINK field:				
		(a) NULL	(b)	INFO	
		(c) LINK	(d)	START	2
(C)	Ans	wer in one sentence each :-			
	(i)	What is linked list?			
	(ii)	What is searching?			
	(iii)	What is an Array?			
	(iv)	What is pointer?			4
2.2. (a)		at is data structure? What are the var cture?	ious op	perations to be performed	on data 6
(b)	Wha	at is Queue? Write an algorithm to inse	ert an e	lement into queue.	6
		OR			
WPZ33:	39	1			(Contd.)

(ii) strcpy ( )

OR

(iii) strcmp ().

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(b) Explain the following string functions with example.

(b) Explain input / output operations on files with example.

(b) What is structure? How is it differs from an array?

2.13 (a) Write a program to read a character from keyboard and write it to file.

2.12(a) Write a program to illustrate array of structure.

(i) streat ( )