Total: 70



Sardar Patel University FYBCA (2nd Semester)(NC) External Examination April - 2022

CONTRACT OF THE PROPERTY OF TH	US02CBCA21 Advanced C Programming	
Source .	25 April 2022 Monday	
Time : 12:00 noon - 02:0	ՈՈ ոm	

Q.1	An	swer the following questions.	[10]
	1	The parameters used in a function call are called Parameter.	
		(a)Formal (b) actual (c) local (d) none	
	2	By default is a return type of a C function.	
		(a)integer (b) char (c) float (d) double	
	3	The following are wrong declaration in function definition	
		(a) int sum(int a , float d) (b) float sum(int a ,b)	
		(c) int sum(int a,int b) (d) float sum(float a, float aa)	
	4	Which of the following share a similarity in syntax?	
		(a) Union (b) Structure (c) Arrays (d) Both a &b	
	5	A is a collection of data items under one name in which the items share the	
		same storage.	
		a) Union (b) Structure (c) Arrays (d) function	
	6	Which of the following cannot be a structure member?	
		(a) Another structure (b) Function (c) Array (d) none	
	7	For the given the declarations, which statement is not valid?	
		int i; float f; int *pd; float *pf;	
		(a) pd=pf; (b) i=5; (c) pd=&i (d) pf=&f	
	8	Which of the following is not a C memory allocation function?	
		(a) malloc() (b) calloc() (c) realloc() (d) alloc()	
	9	fp= fopen(filename, "r");	
		Referring to the code above, what is the proper definition for the variable f?	
		(a) FILE F; (b) struct file f; (c) FILE *f; (d) int f;	
	10	The mode is used for opening a file for updating.	
		(a) r (b) w (c) a (d) none	-
Q.2	Fill	in the blanks and True/False.	[80]
	1	Function which calls itself is known asFunction.	
	2	operator connects the structure name to its member.	
	3	operator is used with a pointer to access the value of the variable whose	
		address is contained the pointer.	
	4	By default, the all file opened are inmode.	
	5	A function definition is also known as Function Implementation. (True/False)	
	6	Size of a structure is determined by size of the Sum of the sizes of all members.	
•	-	(True/False)	
	7	Using the free(ptr) free the allocated memory. (True/False)	
	8	When fopen() is not able to open a file, it returns zero. (True/False)	
	_	The report of the able to open a me, it retains zero, (True/raise)	

Explain following in brief. (Attempt any Ten) Q.3[20] List the advantages are functions? 2 Explain recursion in brief Write and explain syntax for function call. 3 Which elements are required for compile time initialization of a structure variable? 4 Write a difference between structure and union. 5 Which are the ways to access structure members? 6 7 Explain realloc() with example. 8 List benefits of pointer. Give different forms to declare a pointer variable. Which one is preferable? 9 10 List basic file operations performed on file. 11 Differentiate: printf and fprintf 12 Write down the syntax to open the text file both in read and write mode. Explain the following in detail. (Attempt any Four) Q.4 [32] Explain following categories with syntax and example. 1 (1) Passing parameter and No Return Value (2) No Passing Parameter and return Value. Explain passing 1-Darray to function with example. 2 Explain array of structure and structure within structure in detail. 3 Explain structure definition and structure initialization with example 4 Explain pointer arithmetic expressions in detail. 5 Explain pointers as function arguments with example. 6

Explain fopen(), fscanf(), getc(),putw() function with syntax and example.

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Explain error handling during I/O operations.

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