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No. of Printed Pages: 02

[44]

Q.2

Sardar Patel University

FYBCA -2nd Sem (Reg) External Examination-April-2022 US02CBCA51 || Advanced C Programming



Date

		/04/2022	मृश्वफल क	
lime	: 12	:00 noon to 02:00 pm	Total Marks	: [70]
Q.1	Αı	nswer the following questions.		[10]
	1	By default is a return type of a C function.		[]
		(a) integer (b) char (c) float (d) double		
	2	In prototype declaration, specifyingis optional.		
		(a) return type (b) parameter name (c) semicolon (d) data type	-	
	3			
		(a) arguments (b) formal (c) actual (d) none		
	4	Which of the following share a similarity in syntax?	•	
		(a) Union (b) Structure (c) Arrays (d) Both a &b		
	5	Structure is adata type.	. •	
		(a) derived (b) built in (c) user defined (d) none	,	
	6	Which of the following cannot be a structure member?	4	
		(a) Another structure (b) Function (c) Array (d) none		
	7	Which of the following defines a pointer variable to an integer?		
	_	(a) int &ptr (b) int **ptr; (c) int *ptr (d) int &&ptr		-
	8	Which of the following is not a C memory allocation function?	•	10
	_	(a) malloc() (b) calloc() (c) realloc() (d) alloc()		
	9	is datatype of file pointer.		
		(a) FILE (b) double (c) string (d) int		
	10	1 - 1 / / / / / / / / / / / / / / / / /		,
		Referring to the code above, what is the proper definition for the varia	ble f?	•
		(a) FILE F; (b) struct file f; (c) FILE *f; (d) int f;		
Q.2	Fill	in the blanks and True/False.		
	1	Function header consists ofparts.		[80]
	2	The variables declared in a structure definition are called as its	-	
	3	operator is used with a pointer to access the value of the va	alabeta a di a	
	-	address is contained the pointer.	riable whose	
	4	The mode is used for opening a file for updating		٠.
	5	A function definition is also known as Function Implementation (True/I	"alaa\	
	6	Size of a union is determined by size of the Sum of the sizes of	raise)	
		(True/False)	an members.	
•	7	Using the free(ptr) free the allocated memory. (True/False)		:
	8	By default, all the file opened are in dbf mode. (True/Fales)		

Q.3	Ex	plain following in brief. (Attempt any Ten)	[20
	1	Write advantages of user defined function.	
	2	Which are the components of a user-defined function?	
	3	What is actual and formal parameter?	
	4	Which elements are required for compile time initialization of a structure variable?	
	5	Which are the ways to access structure members?	
	6	Differentiate structure and union.	
	7	List out any 4 scale factor along with the data types.	
	8	List benefits of pointer.	
	9	Give different forms to declare a pointer variable. Which one is preferable?	
	10	List basic file operations performed on file.	•
	11	List out different file modes.	
	12	Write down the syntax to open the text file both in read and write mode.	
2.4		Explain the following in detail. (Attempt any Four)	[32
	1	·	L,
		Explain following categories with syntax and example.	
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8 Explain fopen(), getc(), putw(), fprintf() function with syntax and example.

Explain error handling during I/O operations.