		K21U 3599
Re	g. No. :	6
Na	me :	
	II Semester B.Sc. Degree (CBCSS – Supple.) Examination (2014-2018 Admission) CORE COURSE IN COMPUTER SCIENCE 2B02 CSC: Advanced Programming in C	on, April 2021
Tir	ne : 3 Hours	Max. Marks: 40
	SECTION – A	
1.	One word answer:	(8×0.5=4)
	a) When an array name is passed to function, what gets passed	d ?
	b) In an array x[10], the x represents the	
	c) A variable declared inside a function is called	
	d) refers to a region where a variable is actually availa	able for use.
	e) It is possible to cast a pointer to float as a pointer to integer ((True/False).
	f) The only integer that can be assigned to a pointer variable is	
	g) Calloc is used to change the memory allocation previously malloc. (True/False)	allocated with
	h) The directive discords a macro.	
	SECTION - B	
V	rite short notes on any seven of the following questions:	(7×2=14)
2.	What is a calling function and a called function?	
3.	What is a NULL character? Why is it important?	
4.	What is meant by dynamic memory allocation?	
. 5.	What are macros ?	
6.	What are array of pointers ?	
7	What is posting of function 2	

P.T.O.

K21U 3599



- 8. What will be the output of the following statement? printf ("%d", strcmp("push", "pull"));
- 9. How to initialize two dimensional array of string?
- 10. What are pointer expressions? Give an example.
- 11. State the rules for initializing structures.

SECTION - C

Write short notes on any four of the following questions:

 $(4 \times 3 = 12)$

- 12. Explain about the string input and output functions.
- 13. Write a program to reverse a string.
- 14. Distinguish between int *p(int a); and int (*p)(int a);
- 15. Mention the differences between character array and integer array.
- 16. What are the features of pointers?
- 17. Differentiate between library and user defined functions.

SECTION - D

Write short notes on any two of the following questions:

 $(2 \times 5 = 10)$

- 18. What are the differences between structures and unions? Write a program to demonstrate how structure and unions are created in C.
- 19. What is a pointer? How a 1D array and 2D array are passed to a function using pointers? Explain with example.
- 20. Write a program to read set of numbers from a file and write odd numbers in one file and even numbers in another file.
- 21. Define a structure data type called time_struct containing three members integer hour, minute and second. Develop a program that would assign values to the individual members and display the time in the following format 13:20:43.