Reg. No. : ....

Name : ....

II Semester B.Sc. Degree (CBCSS – Reg./Supple./Improv.) Examination, April 2019
(2014 Admission Onwards)
CORE COURSE IN COMPUTER SCIENCE
2B02CSC : Advanced Programming in C

Time : 3 Hours

Max. Marks : 40

SECTION – A

1. **One** word answer. (8×0.5=4)

   a) What will happen if in a C program you assign a value to an array element whose subscript exceeds the size of array ?

   b) What does the following declaration mean ?

   int (*ptr) [10];

   c) The keyword used to transfer control from a function back to the calling function is

   d) In which stage the following code :

   #include<stdio.h> gets replaced by the contents of the file stdio.h

   e) Which header file should be included to use functions like malloc( ) and calloc( ) ?

   f) C was founded by _____

   g) What is (void*) 0 ?

   h) Input/output function prototypes and macros are defined in which header file ?

SECTION – B

Write short notes on **any seven** of the following questions. (7×2=14)

2. Example for declaration of array.

3. What is Strrev ?

P.T.O.

4. What is meant by function declaration ?

5. What is meant by function prototype ?

6. What are pointer expression ?

7. What is meant structure within structure ?

8. How can array passed within structure ?

9. What is file ?

10. What is command line argument ?

11. Write a program to display factorial of numbers ?

SECTION – C

Answer **any four** of the following questions.   (4×3=12)

12. Explain about structure.

13. What is meant by pointers with example ?

14. Discuss about Union.

15. Differentiate between Union and Structure.

16. What is recursion in function ?

17. Explain about storage classes.

SECTION – D

Answer **any two** of the following questions.   (2×5=10)

18. Explain string handling function.

19. Write a note about function with example.

20. Write a note about user defined type.

21. How can memory allocated dynamically ?

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