



**K19U 0254**

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)
- What will happen if in a C program you assign a value to an array element whose subscript exceeds the size of array ?
  - What does the following declaration mean ?  
`int (*ptr) [10];`
  - The keyword used to transfer control from a function back to the calling function is
  - In which stage the following code :  
`#include<stdio.h>` gets replaced by the contents of the file `stdio.h`
  - Which header file should be included to use functions like `malloc( )` and `calloc( )` ?
  - C was founded by \_\_\_\_\_
  - What is `(void*) 0` ?
  - 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)

- Example for declaration of array.
- What is Strrev ?

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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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