



K17U 1027

Reg. No. : .....

Name : .....

**II Semester B.Sc. Degree (C.B.C.S.S. – Reg./Supple./Imp.)**  
**Examination, May 2017**  
**COMPLEMENTARY COURSE IN COMPUTER SCIENCE**  
**2C02 CSC : Programming in 'C'**  
**(2014 Admn. Onwards)**

Time : 3 Hours

Max. Marks : 32

SECTION – A

1. One word answer : (6×0.5=3)
- a. Various library functions available in C languages is stored in different files known as \_\_\_\_\_
  - b. Every program statement in C program must end with a \_\_\_\_\_
  - c. The \_\_\_\_\_ header file contains mathematical function.
  - d. A variable can be made constant by declaring it with the qualifier \_\_\_\_\_ at the time of initialization.
  - e. The \_\_\_\_\_ statement is used to skip a part of the statement in a loop.
  - f. The variable used as a subscript in an array is popularly known as \_\_\_\_\_ variable.

SECTION – B

Write short notes on **any five** of the following questions. (5×2=10)

- 2. Write is the difference between keyword and identifier.
- 3. Write is the difference between prefix and postfix operator.
- 4. Write the syntax of do while loop.



5. Give a suitable example of initializing a character array.
6. Write a program to reverse a string.
7. Define an array.
8. Write is the difference between formal parameter and actual parameter.
9. Write is the difference between scanf() and gets().

#### SECTION – C

Answer **any three** of the following questions.

**(3×3=9)**

10. Write a program which reads your name from the keyboard and outputs a list of ASCII code which represents your name.
11. Write a recursive function to find factorial of a given number.
12. Write a program to find the smallest number in an array using pointer.
13. What is a string ? Explain about any two string handling function.
14. What is the difference between break and continue statement ?

#### SECTION – D

Write an essay on **any two** of the following questions.

**(2×5=10)**

15. A positive number is entered through keyboard. Write a function to find the sum of digits of this number.
  16. Write a simple C program for structure and union.
  17. Write is the difference between while and do while with suitable example.
  18. What is a structure and how it differ from a union ?
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