



K10U 0529

Reg. No. : .

Name : .....

**II Semester B.Sc. Degree (C.B.C.S.S. – Reg./Supple./Imp.)**  
**Examination, May 2018**  
**COMPLEMENTARY COURSE IN COMPUTER SCIENCE**  
**2C02 CSC : Programming in 'C'**  
**(2014 Admn. Onwards)**

Time : 3 Hours

Max. Marks : 32

**SECTION – A**

I. **One** word answer :

**(6×0.5=3)**

- A) C programs are converted into machine language with the help of \_\_\_\_\_
- B) \_\_\_\_\_ is the only function all C programs must contain.
- C) The first expression in a for loop is \_\_\_\_\_
- D) Total number of keywords in C are \_\_\_\_\_
- E) \_\_\_\_\_ is a collection of different data types.
- F) % f access specifier is used for \_\_\_\_\_

**SECTION – B**

II. Write short notes on **any five** of the following questions :

**(5×2=10)**

- 1) What are Keywords ?
- 2) List the four data types qualifiers.
- 3) What is an Operator ?
- 4) Write the syntax of While statement in C.
- 5) What is the use of Continue statement ?
- 6) What is recursion ?
- 7) Define scope of a variable.
- 8) What are multidimensional arrays ?

P.T.O.



## SECTION – C

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

(3×3=9)

- 1) What is an operator ? Explain the arithmetic, relational, logical and assignment operators in language.
- 2) Write a program in C to print the numbers from 4 to 9 and their squares.
- 3) What are primitive and non-primitive data types ?
- 4) Write and explain any two preprocessor directives in C.
- 5) What is a stack ? Explain it with its applications.

## SECTION – D

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

(2×5=10)

- 1) Explain any five string manipulation library functions with examples.
- 2) What is function parameter ? Explain different types of parameters in C functions.
- 3) What is dynamic memory allocation ? Write and explain the different dynamic memory allocation functions in C.
- 4) What is a structure ? Explain the C syntax of structure declaration with an example.