K18U 0529

**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.