

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 ?



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.
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