

Faculty of Sciences**B.Sc (Computer Science) I-Year, CBCS-I Semester Examinations 2018-19****PAPER: PROGRAMMING IN 'C'**

Time: 3 Hours

Max Marks: 80

Section-A

I. Answer any FIVE of the following questions

(5x4=20 Marks)

1. Write about Memory Hierarchy
2. What is an Algorithm?
3. Write about formatted input statements in 'C'.
4. What is an Array?
5. What is a Function?
6. Define Pointer. Write about pointer to Array
7. What is a structure?
8. Write about file Management Functions.

Section-B

II. Answer the following questions

(4x15=60 Marks)

9. (a) Explain the Different ways of Stating Algorithms.

(OR)

(b) Explain Generations of Programming languages. Write about Data types, Operators and type conversions in C language

10.(a) Explain the selection statements in 'C' with suitable examples.

(OR)

(b) Explain different types of Arrays in 'C'? Write a program to find the largest Number in an Array of integers.

11.(a) Define function. Differentiate call-by-value and call-by-reference using Sample Programs.

(OR)

(b) Explain pointers to pointers and Array of pointers with examples.

12.(a) Differentiate structures and Unions. Explain how to access members of a Structure with a sample program.

(OR)

(b) What is a file in 'C'? Write a program to read the contents of a file Demo.txt and write to another file Foobar.txt
