



UTTARAKHAND OPEN UNIVERSITY, HALDWANI (NAINITAL)
उत्तराखण्ड मुक्त विश्वविद्यालय, हल्द्वानी (नैनीताल)

BCA 1ST YEAR 1ST SEMESTER ASSIGNMENT

Last Date of Submission: 15/01/2016

Course Title: Introduction to Computer Programming Using C

Course Code: BCA-02

Year: 2015-16

Maximum Marks: 40 Marks

Section 'A' contains 08 short answer type questions of 5 marks each. Learners are required to answers 4 questions only. Answers of short answer-type questions must be restricted to 250 words approximately.

1. C is a middle level language. Comment on this statement.
2. What do you mean by identifier and Keywords?
3. What is the purpose of sizeof() operator? Explain by taking suitable examples.
4. What is the different between Structure and Union?
5. Write a program to calculate factorial of given number using recursion.
6. Explain different file modes available in C language, and describe in brief about Random Access Files.
7. What is macro and preprocessor directive in c language?
8. Write a C program to generate a following Fibonacci series.
0, 1, 1, 2,3,5,8,13,21,34

Section 'B' contains 04 long answer-type questions of 10 marks each. Learners are required to answers 02 questions only.

1. What is operator? Explain different types of operators available in C language by taking suitable examples.
2. What is nested-if statement? Write a program to find greatest number out of three number by using nested-if statement.
3. What is an array? How it is different from structure? Write a C language program to add two matrices using 2-D array.

4. What is a function and function prototyping? Explain the different methods of passing parameters to a function by taking suitable C language program.

