



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

M.Sc.IT-16/M.SC.IT-17
1ST YEAR 1ST SEMESTER ASSIGNMENT

Session - 2017-18, Summer Last Date of Submission: 31st October 2017

Session - 2017-18, Winter Last Date of Submission: 30th April 2018

Course Title: Computer Programming Using C

Course Code: MSCIT-03

Maximum Marks: 30/20

Section 'A' contains 08 short answer type questions of 4/2.5 marks each. Learners are required to answers 4 questions only. Answers of short answer-type questions must be restricted to 250 words approximately.

1. What are iteration statements in C program? Give their example.
2. Write a program for generating the Fibonacci series using recursion.
3. What is recursion? Explain it with example.
4. Differentiate between call by value & call by reference.
5. Write a C program to swap two numbers by using call by value and call by reference.
6. What is meant by associativity? What is the associativity of the arithmetic operators?
7. What is meant by explicit type casting? When is it useful? Explain by suitable example.
8. What is algorithm? How will you write an algorithm?

Section 'B' contains 04 long answer-type questions of 7/5 marks each. Learners are required to answers 02 questions only.

1. What are pointers? Describe the features of pointers. Write a program to display array of pointer and pointer to function.
2. What is the difference between Union and structure? Also explain the term 'passing structure to function' with help of an example.
3. Describe the various I/O statements and assignments statements in 'C' language. Also discuss the various data types used.
4. Explain the general format of the fseek() function. Also explain the difference between fread() and fwrite().