



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

PGDCA 1<sup>ST</sup> YEAR 1<sup>ST</sup> SEMESTER ASSIGNMENT

*Last Date of Submission: 15- Jan-2014*

**Course Title: Computer Programming Using C**

**Course Code: PGDCA-03**

**Year: 2015-15**

**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. Distinguish between fprintf() and printf() .
2. Distinguish between malloc and calloc() .
3. What is the scanf() and how does it differ from the getchar().
4. What is mean by register variable and what the scope of it?
5. Why is go to not necessary for the structured programming language like C?
6. Explain any 4 string functions with suitable example?
7. Differentiate between local variable and global variable?
8. Differentiate between relational and logical operators used in C?

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

1. Explain the following bitwise operators
  - i) Bitwise AND
  - ii) Bitwise OR
  - iv) Bitwise Left Shift
  - v) Bitwise Right Shift
2. (a) What is the difference between the array of pointer and pointer to the array? (5)  
(b) Explain the difference between calling function and called function? (5)
3. (a) Differentiate between local variable and global variable? (5)

- (b) Differentiate between relational and logical operators used in C? (5)
4. (a) Write a C program to find the maximum of three numbers using conditional operators. (5)
- (b) Write a C Program to sort an array in ascending order. (5)

