



UTTARAKHAND OPEN UNIVERSITY, HALDWANI (NAINITAL)

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: 2013-14**

**Maximum Marks: 40 Marks**

**Section 'A'**

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

1. What is flow chart? Explain with the help of example.
2. How many types of programming techniques. Explain each.
3. What is structured Programming?
4. What are the basic data types used in C?
5. What is variable? Explain with the help of example.
6. What is unary operator?
7. What is the difference between while and do-while loop?
8. Write a C program to check whether a given number is a palindrome or not.

**Section 'B'**

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

1. Explain any four control statements in C.
2. What are relational and logical operators in C? Give examples
3. Differentiate between local variable and global variable?
4. What is macro? Explain with example.