

**UTTARAKHAND OPEN UNIVERSITY, HALDWANI (NAINITAL)****उत्तराखण्ड मुक्त विश्वविद्यालय हल्द्वानी (नैनीताल)****M.Sc. Environmental Science (MSCEN-12)
1ST YEAR ASSIGNMENT****Last Date of Submission :15 May****Course Title: Computer Programming
Year: 2012-13****Course Code: ES 501
Maximum Marks: 40****Section 'A'**

Section 'A' contains 08 short answer type questions of 2^{1/2} marks each. Learners are required to answer 4 questions only. Answers of short answer-type questions must be restricted to 250 words approximately.

1. Explain the input/output devices in a computer.
2. Describe the CPU in a computer.
3. Explain the operating system.
4. What are algorithms? Discuss.
5. Describe the procedure how to run 'C' program on Unix.
6. Explain the arithmetic operators in 'C' program.
7. Discuss about iteration or loops in 'C' program.
8. Explain in detail about control flow in 'C' program.

Section 'B'

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

1. Write the steps involved in the cycle of development of a program.
2. Describe the processes involved in expressions and declarations.
3. Describe the application of computers in watershed studies.
4. Explain the dynamically allocated arrays in C++.