



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

BCA 3RD YEAR 6TH SEMESTER ASSIGNMENT

Last Date of Submission: 15 July 2015

Course Title: System Programming

Course Code: BCA-20

Year: 2014-15

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. Define compiler. Mention the different phases of a compiler.
2. Compare machine language and assembly language.
3. Define loader? What are the functions of loader?
4. What is bootstrap loader?
5. What is the difference between compiler and interpreter?
6. What is scanning and parsing? Differentiate between them.
7. Differentiate between top-down parsing and bottom-up parsing.

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

1. Explain the various types of language processors?
2. Explain three basic features of assembly language programming.
3. Discuss the advanced assembler directives with example.
4. Differentiate between
 - i. Machine dependent and machine Independent loader feature.
 - ii. Dynamic Linking and Dynamic loading