



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

BCA 3<sup>RD</sup> YEAR 5<sup>TH</sup> SEMESTER ASSIGNMENT

*Last Date of Submission: 15/01/2016*

**Course Title:** Software Engineering

**Course Code:** BCA-15

**Year:** 2015-16

**Maximum Marks:** 40

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. What do you mean by Software Engineering? Explain.
2. Define Black Box testing with example.
3. What do you mean by feasibility study?
4. What is Entity-Relationship diagram? Explain with example.
5. What are the software testing strategies?
6. What is data dictionary? Explain.
7. What are the characteristics of software? Explain.
8. What are the merits and demerits of Waterfall model of system development?

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

1. Describe the bottom up approach of integration testing.
2. Explain different types of cohesion and coupling with examples.
3. What is DFD? What are the components of DFD? Explain.
4. What is testing? Explain the types of testing.