



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

BCA 2<sup>nd</sup> YEAR 4<sup>th</sup> SEMESTER ASSIGNMENT

*Last Date of Submission: 15 July 2015*

**Course Title:** System Analysis and Design

**Course Code:** BCA-12

**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 a system and sub-system with an example.
2. What are the elements of a system?
3. What is an information system? What are the different types of information systems?
4. Discuss the concept of MIS and DSS.
5. What is SDLC? What are phases associated with SDLC?
6. What is cost benefit analysis? Explain.
7. What is DFD? What are the main merits of using a DFD?
8. State the differences between cohesion and coupling.

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

1. What is documentation? Explain the uses of documentation.
2. What are the different types of Feasibility Study? Explain each type.
3. Discuss the various types of testing.
4. Explain the different types of System threats.