



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: 31 May 2016*

**Course Title:** System Analysis and Design

**Course Code:** BCA-12

**Year:** 2015-16

**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. Explain the differences between a physical and a logical data flow diagram (DFD).
2. Explain the role of system analyst. The system analyst is known as "An agent of change" Why?
3. Discuss the concept of MIS and DSS. How they are related and differ?
4. Distinguish between open and closed systems.
5. Differentiate between a decision table and a decision tree.
6. What is cost and benefit analysis? Explain the procedure of benefit/cost determination.
7. What is the importance of feasibility study for a system analyst?
8. What is testing? Mention four different types of testing.

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

1. What is system? Describe the types of system. What are the characteristics of a system? What are the elements of system? Explain in detail.
2. Explain SDLC in detail? Describe the different phases of SDLC.
3. Explain System Implementation in detail.
4. Write Short notes on the following:
  - a. Risk Analysis
  - b. System audit
  - c. Disaster recovery planning