

Roll No.

Total No. of Pages : 02

Total No. of Questions : 07

BCA (2011 & onward) (Sem.-3)
SYSTEM ANALYSIS & DESIGN

Subject Code : BSBC-301

Paper ID : [B0228]

Time : 3 Hrs.

Max. Marks : 60

INSTRUCTION TO CANDIDATES :

1. **SECTION-A is COMPULSORY consisting of TEN questions carrying TWO marks each.**
2. **SECTION-B contains SIX questions carrying TEN marks each and a student has to attempt any FOUR questions.**

SECTION A

1) Write briefly :

- a) List various characteristics of a system.
- b) State the role of system analyst.
- c) What is technical and operational feasibility?
- d) Explain various System Design Principles.
- e) Explain the use of interviews as an information gathering technique.
- f) Explain master and transaction file.
- g) What is Alpha and Beta testing?
- h) List various system maintenance methods.
- i) State the role of maintenance in System Development Life Cycle.
- j) Describe post implementation maintenance process.

SECTION-B

- 2) What is a system? What are its different types? Explain various types of Feasibility study required to be performed during the designing of system.
- 3) Draw DFD for the Student Evaluation System. Make your own assumption about the system.
- 4) Why is information gathering an important step of SDLC? Explain various information-gathering techniques with their merits and demerits.
- 5) What is input design? What are various methods of input design?
- 6) Why is system testing required? Explain in detail the formation of testing plans for a system.
- 7) What are the various steps in System Implementation Process? Explain in detail with the help of an example.