

# PC-10092/NB

J-3/2111

SYSTEM ANALYSIS AND DESIGN-312  
(Semester-V)

Time : Three Hours]

[Maximum Marks : 75

**Note :** Attempt *five* questions in all, selecting *two* questions each from Section A and B. Section C is compulsory.

## SECTION-A

- I. What do you mean by a system? Discuss various types of systems with suitable examples. (15)
- II. Explain various phases of system development life cycle. (15)
- III. Discuss and illustrate the key strategies for eliciting information about the user's requirements. Which strategy would you select and why? (15)
- IV. Discuss the following in detail :
  - (a) Duties of system Analyst. (7.5)
  - (b) Information gathering tools. (7.5)

## **SECTION-B**

- V. What do you mean by Data Flow Diagram (DFD)? How it is different from a flow chart? Discuss various symbols required to draw a DFD. Explain with suitable example. (15)
- VI. What is Form? Why proper Form design is essential for a system? Discuss in detail the criteria used for Form design. (15)
- VII. What is system maintenance? Explain different types of system maintenance in detail. (15)
- VIII. What do you mean by changeover? Discuss various types of changeover schemes in detail. (15)

## **SECTION-C**

### **(Compulsory Question)**

- IX. (a) Differentiate between interaction and interdependence. (3)
- (b) What are the drawbacks of SDLC (System Development Life Cycle)? (3)
- (c) What do you mean by preliminary investigation? (3)
- (d) What is economic feasibility? (3)
- (e) What do you mean by data dictionary? (3)