

**III Semester B.Tech. Examination, Feb./March 2010**  
**SYSTEM ANALYSIS AND DESIGN**

Time : 3 Hours

Max. Marks : 80

**Instructions :** 1) Answer *all* questions in Part A, 6 out of 8 questions in Part B and 3 out of 5 questions in Part C.

2) Part A : Questions from 1 to 8 carry 1 mark and 9 to 14 carry 2 marks *each*.

3) Part B : *Each* question carries 5 marks.

4) Part C : *Each* question carries 10 marks.

PART – A

1. Define System.
2. Name the types of Data.
3. Name the characteristics of a System.
4. What is an Information System ?
5. What is SDLC ?
6. Name the types of feasibility.
7. Define System Analysis.
8. What is sampling ?
9. What are the advantages of logical data flow diagram.
10. What is Data Dictionary?
11. Write a short note on Smart card.
12. What are the goals of output design ?
13. What are the attributes of good data base management system ?
14. What are the features of Project ?

**P.T.O.**

## PART – B

1. What are the goals and objectives of System Design ?
2. How to convert data into information ?
3. What are the characteristics of a System ?
4. What is Quality Assurance ? Explain.
5. Why do we use System Development Methodologies ?
6. What are the factors that depend upon feasibility study ?
7. What are the major roles of System Analyst ?
8. Explain Sampling Design Steps.

## PART – C

1. How to develop logical and physical data flow diagrams ? What are the advantages and disadvantages of data flow diagram ?
  2. Discuss Order Processing System as a Case study.
  3. Explain Typical characteristics of a data store those are stored in the data repository.
  4. Explain the objectives of Input Design.
  5. Explain the types of Output.
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