

Subject : Analysis & Design of Information Systems

Day : Monday
Date : 06/06/2016



Time : 02.00 P.M. TO 05.00 P.M.
Max Marks : 70 Total Pages : 1

N.B.:

- 1) Attempt any **THREE** questions from Section – I and any **TWO** questions from Section – II.
- 2) Figures to the right indicate **FULL** marks.
- 3) Answers to both the section should be written in **SAME** answer book.

SECTION - I

- Q.1 What are system characteristics? Draw waterfall model and discuss step by step in detail. (14)
- Q.2 Draw basic symbols of DFD. Give rules for drawing DFD. (14)
- Q.3 Describe different File organization methods (Sequential, Indexing, and Direct). (14)
- Q.4 Why system testing is required? What do we test for? (14)
- Q.5 Write short notes on (any **TWO**) of the following: (14)
- a) CASE
 - b) Feasibility study
 - c) Screen management

SECTION - II

- Q.6 Consider a computer hardware selling shop using following rules: (14)
- a) If customer purchase material cost > 10,000 to 99,000 then discount 10%.
 - b) If cost material is between 1,00,000 to 3,00,000 then discount 20%.
 - c) If cost material more than 5,00,000 discount 25%.
- If the customer is government agency then extra 5% will be added in above 3 rules. You are required to prepare a decision tree and decision table and step by step analyse process.
- Q.7 Consider a ABC finance giving loans to the customers of following category. (14)
- a) Male customer (13% interest)
 - b) Female customer (12% interest)
 - c) Old age customer (10% interest)
- The repayment of installment is per month for 5 years.
Draw context level diagram and first level DFD. Discuss step by step system process.
- Q.8 What are different fact finding methods? Explain in detail interview techniques. (14)

* * * * *