19-6-15 (m)

## 

**COMP 4 - 5(RC)** 

## S.E. (Computer) (Semester - IV) (RC) Examination, May/June 2015 SYSTEM ANALYSIS AND DESIGN

Duration: 3 Hours Total Marks: 100

Instructions: 1) Answer any five questions, at least one from each Module.

2) Make suitable assumptions, if necessary.

## MODULE-1

1. a) In what respect should the analyst be a politician? What would be an example 3 where political considerations are used in systems work? b) Explain the stages of SDLC with respect to a Hospital Management System. 8 4 c) Differentiate between DPS, MIS and DSS. d) Explain the importance of para professionals in system development. 5 4 2. a) Explain Simon's decision making process. b) Differentiate between project termination and system failure. State and explain 8 the reasons for each. c) State and elaborate on different information levels and managerial positions 5 present in an organization. d) Explain the pool oriented structure of system analysis with the help of a 3 diagram. MODULE - If 6 3. a) Draw a DFD for the following scenario: A magazine is published monthly and is sent to its subscribers. Two months before the expiry of subscriptions, a remainder is sent to its subscribers. If subscription is not received within a month, another remainder is sent. If renewal of the subscription is not received up to two weeks before the expiry of subscription, the subscriber's name is removed from the mailing list and the subscriber is informed.

d) Give the importance of user involvement in system design.

data?

6

## MODULE-IV

| 7. | a) | Differentiate between:   | Ž |
|----|----|--|---|
|    |    | i) Hardware and service suppliers  |   |
|    |    | ii) RPF and vendor proposal.   |   |
|    | b) | Explain the strategies and tactics in negotiating contracts. If you were representing a client or acquiring a small computer, how would you go about it? |   |
|    | c) | Which are the two planning tools used in project planning?   | i |
|    | d) | Write a short notes on disaster recovery/planning.   |   |
| 8  | a) | What is PERT diagram used for ? Explain the steps to create a PERT diagram. How does it differ from a GANTT chart ?                                      | 1 |
|    | b) | What is quality assurance? Discuss the various levels of quality assurance.  | 4 |
|    | C) | Define the following terms :   | į |
|    |    | i) data security   |   |
|    |    | ii) data integrity   |   |
|    |    | iii) confidentiality.  |   |
|    | d) | State the advantages and disadvantages of the lease ontion   | ž |