

## S.E. (Comp) (Sem. IV) (RC) Examination, May/June 2012 SYSTEM ANALYSIS AND DESIGN

Duration: 3 Hours Total Marks			
	1	Instructions: i) Answer 5 questions, atleast one question from each Module. ii) Make suitable assumptions, if necessary.	
		Module – I	
1.	a)	Explain the system development life cycle for a library MIS.	8
	b)	A good system analyst must have the qualities of a "psychologist" Justify.	6
	c)	Relate the following to the SDLC	
		i) Initial Investigation Report	6
		ii) Feasibility study.	
2.	a)	Discuss the different types of organisation structures possible in a MIS facility. Also discuss the advantages and disadvantages of each structure.	12
	b)	Draw and explain the modified SDLC suggested by Neumann and Jenkins.	8
		Module – II	
3.	a)	Explain the different information gathering methods.	8
8	b)	The users of a system used the following strategies when defining their user requirements.	
		<ul> <li>i) Radha requested about 15 features when only 7 features were really required.</li> </ul>	
		ii) Ram stated that he required everything that Radha required.	
		iii) Saurabh provided a list, overstating every requirement in the list.	
		Identify the type of user and their strategy in the above cases.	6
	c)	What is onsite observation? What are the different methods employed for on-site observation?	6

Check List

Indicate all input and output couples.

c) Explain in brief the role of a DBA.



## Module - IV

7.	a)	What is implementation? How does it differ from conversion? Elaborate.	6
	b)	Differentiate between the fall:	
		i) Event and Milestone	
		ii) Task and Activity	
		iii) Precedence and successor relationships	
		iv) Data security and Data integrity.	8
	c)	Explain Gantt chart ? How can you develop one ?	6
8.	a)	State and explain the different criteria for software selection in a project.	8
	b)	Explain the various strategies used to control the negotiation process.	4
	(2)	Differentiate clearly between the three types of system failures	0