P.T.O.



S.E. (Comp.) Semester – IV Examination, November 2009 (Revised 07-08) SYSTEM ANALYSIS AND DESIGN

	SISTEMANALISIS AND DESIGN	
Durati	on: 3 Hours Total Marks:	100
	Note: 1) Answer any 5 full questions, by selecting at least 1 full question from each Module. 2) Assume necessary details, if any.	
	man daniliosi n en boymanile MODULE - Im permanileos ment A =	
1. a)	Explain the various stages in SDLC.	8
b)	Explain prototyping with a neat diagram.	3
c)	i) Paraprofessional	
	ii) Technical writer.	5
d)	Explain the various systems models.	4
2. a)	What are the interpersonal and technical skills required by a system analyst?	8
	Explain the role of the system analyst as:	4
	i) Change Agent and Harmon Har	
c)	Discuss the reasons for system failure.	4
d)	What are the various categories of information?	4
	MODULE - II	
3. a)	Discuss the various types of costs and benefits with suitable examples.	6
b)	What is On-site observation? What are the different methods of On-site observation?	8



	c) Draw a DFD for the following economic:	52
	c) Draw a DFD for the following scenario: A system that allows a visitor who has registered to upload and download	6
	movies. NORTH GRASTEX LANA LARTEYS	
	Members must register to use the system by entering their details, username and password.	
	 After successfully registering themselves there will be a registration confirmation message given to them. 	
	 Now they can log into the system using the username and password they have registered with. 	
	 A login confirmation message will be displayed as a feedback from the login process. 	
	• Once they have successfully logged into the system, they can do the following	
	View and undate their profits	
	Upload and download movies. Upload and download movies. Tenorestorgeners to	
4	a) What is a DFD? What are the symbols and rules in DFD construction?	8
	b) What are the guides to a successful interview?	4
	c) Construct a decision tree and structured English for the following scenario: A telecom company has the following tariff. For calls made within 200 kms the tariff is Rs. 1.20 per minute. Minimum billing is for 3 minutes. For calls beyond 200 kms the tariff is Rs. 1.80 per minute. Minimum billing is for 2 minutes. This rate is applicable from 9.00 a.m. to 10.00 p.m. From 10.00 p.m. to 9.00 a.m. the rate is half.	8
100	c) Discuss the reasons for a III - AJUDOM	
Э.	i) Completeness check ii) Consistency check	4
	iii) Reasonableness check	
	iv) Sequence check. The suffered that show to serve about the about the second to be server about the second to be second to be server about the second to be second to b	
	b) Discuss various types of forms. The Manual Action of the Manual Community of the Communi	8
	c) What are the requirements of forms design?	8

6.	a)	Distinguish between : Examination Museumer Line	6
		i) Schema and subschema. Resident and subschema.	33.0
		ii) Absolute address and relative address.	
		iii) Relation and tuple.	
	b)	What are the objectives of database design?	8
	c)	Explain the following terms:	2
		i) Primary key	
		ii) DML.	
	d)	What is the procedure for generating HIPO diagrams?	4
		MODULE - IV	
7.	a)	What are the performance criteria used for system testing?	6
	b)	Explain levels of Quality Assurance.	6
	c)	Discuss the various user training aids.	8
8.	a)	Discuss the various classifications of maintenance and the problems associated	
		with maintenance, and and recommendately response to	8
	b)	What is Gantt chart? How would you develop one? Illustrate.	8
	c)	Write short notes on any 2 of the following:	4
		i) Types of software	
	18	ii) Attributes of software	
	3	iii) Guarantee of reliability.	