## Bachelor in Information Technology (BIT)

## Term-End Examination

## December, 2010

00625

CSI-02: SYSTEMS ANALYSIS

Time: 3 Hours				Maximum Marks : 75			
Not	1	•		<b>10</b> of <b>Section - A</b> carry <b>one mark</b> each. Questions <b>hree</b> questions from <b>Section - B</b> . Each question of			
		S	ECTION	-A			
	Choo	ose most appropriate word/phrase	in Q. No	. 1 to 10.			
1.		is a process of discovery, refinement, modeling and specification.					
	(a)	Software Design	(b)	Software Requirements Engineering			
	(c)	Software Testing	(d)	None of the above			
2.	FAS	FAST stands for					
	(a)	a) Facilitated Application Specification Techniques					
	(b)	(b) Flexible Application Specification Techniques					
	(c)	c) Flexible Application Software Techniques					
	(d)	None of the above					
3.		are the requirements that are stated for a product or system during meetings					
	with	with the customer.					
	(a)	Expected requirements	(b)	Normal requirements			
	(c)	Exciting requirements	(d)	None of the above			
4.	are the requirements that are beyond the customer's expectations.						
	(a)	Normal requirements	(b)	Expected requirements			
	(c)	Exciting requirements	(d)	None of the above			

5.	represents the individual data and control objects that constitute some						
	larger collection of information transformed by the software.						
	(a)	Information content	(b)	Flow chart			
	(c)	Gantt chart	(d)	Pert chart			
6.	represents the internal organization of various data and control items.						
	> (a) `	Pie chart	(b)	Information structure			
	(c)	Information content	(d)	None of the above			
7.	decomposes a problem into its constituent parts.						
	(a)	Partitioning	(b)	Merging			
	(c)	Analysis	(d)	Maintenance			
8.	is a repository that contains description of all data objects.						
	(a)	Data Dictionary	(b)	Data Model			
	(c)	Gantt Chart	(d)	Pert Chart			
9.	The depicts relationships between data objects.						
	(a)	DFD	(b)	ERD			
	(c)	Data Dictionary	(d)	All of the above			
10.		A is a representation of almost any composite information that must be					
		erstood by software. Data object	(b)	Attribute			
		Relationship	` ,				
11.	(c) Drai	-	(d)	None of the above n System. Make necessary assumptions.			
		W 2 W diagram for a stader	it mnormatio	in System. Make necessary assumptions.			
12.	Explain any two common errors that may occur during Design phase of a project.						
13.	What is the role of a systems analyst?						
14.	Give an example of a Software Development Project that is not suitable to be developed using Prototype model. Justify your answer.						

## **SECTION-B**

Answer any three of the following questions. Each question carries 15 marks.

- 15. What is SRS? Explain its components.
- 16. Draw detailed (upto 3 levels) DFDs for various processes involved in allocating tele learning centre to students. Make necessary assumptions.
- 17. Explain the disadvantages of Water Fall Model. Compare Water Fall Model with Spiral Model.
- 18. Write atleast two reasons for one activity to precede another activity before second activity can begin.

CSI-02 3