

Bachelor in Information Technology (BIT)

Term-End Examination

December, 2006

CSI-02: SYSTEMS ANALYSIS

Time: 3 Hours		Maximum Marks : 75

Note: Section A is compulsory. Questions 1 to 10 of Section A carry one mark each. Questions 11 to 14 carry 5 marks each. Answer any three questions from Section B. Each question of Section B carries 15 marks.

SECTION A

1.	The	following is an example for application software:	randra de la compansión d La compansión de la compa	1
	(a)	Compilers		
	(b)	Assemblers		
	(c)	Interpreters		
	(d)	Library Information System		
2.		is a problem-solving technique that decomposing ponent pieces for the purpose of studying how well those linteract to accomplish their purpose.		
	(a)	Systems Analysis		
	(b)	Systems Design		
	(c)	Coding		
	(d)	Maintenance		
	(u)			
3.	Α _	is a representation of either reality or vision.		1
	(a)	Repository		
	(b)	Model		
	(c)	Structure		
	(d)	Message		J. 1866
4.		is/are set of techniques used to collect informa	ation about system	
	prol	plems, opportunities, solution requirements, and priorities.		1
	(a)	Fact finding		
	(b)	Information Gathering		
	(c)	Reverse Engineering		
	(d)	Both (a) and (b)	कार्यकृति सम्पर्धिते । अक्षाति	



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A yo	is son objectives.	nething that will lim	nit your flexibility in defining a solution to	1
(a) Objective	and the state of t	instantiskiski kai mailmilijadi	
(b				
(c)) Schedule	वार सङ्ग्रेषिक एक प्रवेशका कारास		
(d) System proposal		Marka (1944).	
A	is a de	scription of activities	and services a system must provide.	
(a)	non-functional req	luirement		
(b)	functional require	ment	· · · · · · · · · · · · · · · · · · ·	
(c)	desirable requiren	nent		
(d)	system proposal		and the second of the second o	
			finition document for accuracy, completeness,	
cor		ormance to standard		
(a)	Requirements m	anagement		
(b)	Requirements va	lidation	and the sign of the sign of the second of the Section (
(c)	Sampling			
(d)	Questionnaire	•		
	is a tec	hnique for organizin	ng and documenting a system's data.	1
(a)	Data modelling	erako komun di bazain da bada	national transfer and the second	
(b)	Functional model		akontako kolejan kirontan Kilono (j. 1860)	
(c)			pages were started and consider that	
(d)	Relationship			
	is a desc	riptive property or cl	haracteristic of an entity.	
(a)	An entity		timight section () and	
(b)	An attribute	andre i an estre e esta	e a Normania de Arresta de Carlos de	
(c)	A default value		in the state of th	
(d)	A key		GC (ASS)	
		ribute or a group of a	attributes, that assumes a unique value	
for	each entity instance.		1	
(a)			ing option for the care care continued to the care care care care care care care car	
(b)	A degree	and the management of the 1883	engan de element de la mante de la man La mante de la	
(c)	Cardinality		gence livel auditoresial (40)	
	-		gerine ordenië mem griff i e d	
(d)	Domain		(4.01,46.074.4660) + 4.07	



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11.	Give any five examples of software development projects which are perfectly suitable to be developed using Spiral model. Justify your answer.	5
12.	Write any five tasks that are performed during Analysis phase of a Software	s, Ž.
13.	Development Life Cycle. Draw an E-R diagram for the <i>Grade Card Printing System</i> of a university.	5
20.	Assumptions can be made wherever necessary,	5
14.	Explain any five duties of a Systems Analyst.	5
	SECTION B	
Ansu	ver any three of the following questions. Each question carries 15 marks.	
15.	List at least 10 requirements of a <i>Student Admission System</i> of a University/Institution. Make necessary assumptions.	15
16.	Write the problem definition of a software project which is amenable for development using Waterfall Model. Justify your answer.	15
17.	Draw detailed (at least upto 3 levels) Data Flow Diagrams for various processes involved in a <i>Student Admission System</i> . Make necessary assumptions.	15
18.	Explain the fact finding/information gathering techniques with the help of an example.	15