

Bachelor in Information Technology (BIT)

Term-End Examination

December, 2007

CSI-04: COMPUTING SOLUTIONS

 (i) What is brainstorming? (ii) What is quality of design? (iii) What is test case design? (iv) When do documentation side-effects occur? (v) What is software prototyping? 2. Fill in the blanks: (i) The object model provides the essential into which the dynamic and functional models can be placed. (ii) An attribute is a held by the objects in a class. (iii) The property that an operation may behave differently on different classes in known as (iv) Software requirement specification is the point of the software development. (v) grammars do not have the powers to represent even significant parts of English language. 	Note :	There are two sections in this paper. Section A is compulsory. Answer any three questions from Section B.
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(vi) The structure or template of the data in a database is a		grammars do not have the powers to represent even significant parts of English language.
displace of the data in a database is known as	(vi)	The structure or template of the data in a database is known as
(vii) Objective-C, Smalltalk arelanguages	(VII)	Objective-C, Smalltalk arelanguages
(viii) Debugging refers to	(viii)	Debugging refers to
(ix) An interpreter's function is	(ix)	An interpreter's function is



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3.	For a	a Railway	reservation	system,	draw	the	first	two	levels	of dat	a flow	diagrams.

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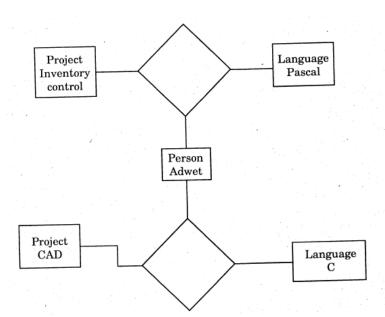
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SECTION B

Answer any three questions from this section.

- 4. (a) What do you understand by CASE tools? How can they be used for system implementation? Name any five CASE tools.
 - (b) What is the significance of information security? Explain best solution for unauthorised access.
- 5. (a) Explain a method for cost estimation of software project. Also discuss its merits and demerits.
 - (b) Explain the following design representation techniques with an example for each:
 - (i) Flow chart
 - (ii) HIPO
 - (iii) Pseudo-chart
- 6. (a) Interpret and prepare a class diagram for following instance diagram:





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	(b)	Distinguish among error, fault and failure. Which of them can be detected by testing? Justify your answer.	5
	(c)	Design a one-pass assembler.	5
7.	auto	form object oriented analysis and design for a software to be developed for omating various activities of a retail bookshop. Assume the requirements of kshop yourself and mention them.	15