

## **Bachelor in Information Technology (BIT)**

## Term-End Examination

June, 2007

**CSI-04: COMPUTING SOLUTIONS** 

Time: 3 Hours Maximum Marks: 75

**Note:** There are two sections in this paper. Section A is **compulsory**. Answer any **three** questions from Section B.

## SECTION A

- 1. State True/False for the following statements. Support your answer with proper reasons.  $2\times 5=10$ 
  - (i) Among all phases of software development, a simple error introduced in the design phase and not detected till system testing consumes maximum effort for correction.
  - (ii) Among all phases of software development, the design phase consumes maximum effort.
    - (iii) A class is an abstract data type.
    - (iv) Modern programming languages like C and Pascal are context free languages.
    - (v) Construction of a prototype of a software product before actual development always increases the overall developmental cost.
  - 2. Differentiate between the following:
    - (i) Data flow oriented design approach and Data structure oriented design approach
    - (ii) Unstructured and Structured programming languages
- 3. With the help of a suitable example, explain the concept of Inheritance in OOPS paradigm. How does multiple inheritance differ from multilevel inheritance?



4.

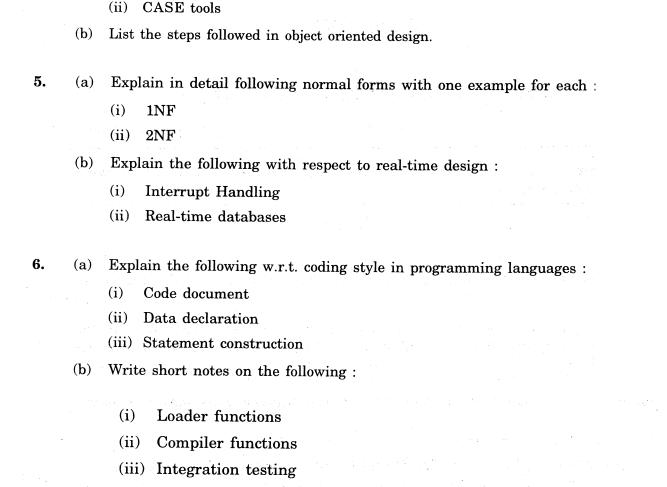
7.

## **SECTION B**

Answer any three questions from this section.

Graphical design tools

(a) Explain the following with respect to software design:



Explain in detail the principles involved in the design of a two pass assembler.