SET - 2

BACHELOR IN COMPUTER APPLICATIONS (BCA)

Term-End Practical Examination

June, 2009

01330

CS-72P : C++ AND OBJECT ORIENTED PROGRAMMING

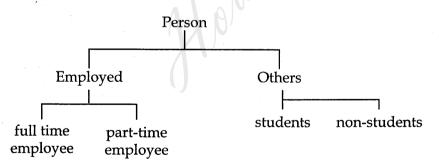
Time allowed : 2 hours

http://www.howtoexam.com

Maximum Marks : 100 (Weightage : 15%)

General Instructions :

- (i) There are two compulsory questions in this paper of 40 marks each. Rest 20 marks are for viva-voce.
- (ii) You must write the appropriate main() function and test your programs.
- (iii) Write/Print the programs, input and results on your answer-script.
- (iv) Make and state suitable assumptions, if any.
- Design and implement a class new_vector using C++. The new_vector class stores a 40 vector of 3 elements into a single dimensional array of 3 elements. The class has functions to input a vector of 3 elements, add two vectors and subtract two vectors. Also write a function to output a vector. Make suitable assumptions.
- 2. Design and implement the following class hierarchy using C++ :



Your implementation should include :

- Member variables for each class.
- Appropriate constructors for each class.
- A polymorphic function that displays the details of any object.

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