

BACHELOR IN COMPUTER APPLICATIONS (BCA)

Term-End Practical Examination

June, 2008

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

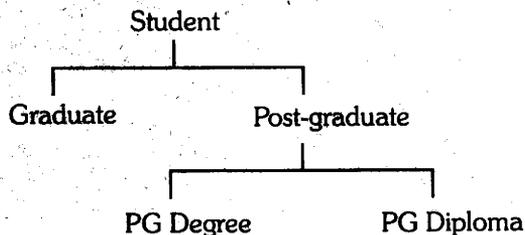
Time allowed : 2 hours

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.

1. Design and implement a class "Queue" which has the functionality of Queue data structure. Use this class to create a simple queue object of integers having input queue values - 10 20 30. 40
2. Design and implement using C++, the following class hierarchy : 40



You should include the following in your implementation :

- Member variables for the classes.
- At least one constructor of each class.
- A polymorphic member function display that shows the student details.

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