

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.

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1. Design and implement a class "Linked_first" which is a linked list where insertion of a new element is possible only at the start or first node. Implement the class and show the insertion of two nodes. Also write a function that displays the complete linked list. 40
 2. Design and implement a class that can store a line segment that is being represented by two points (assume only two dimensional points). Implement the necessary constructors. Also write a function that finds the length of the line segment. 40

