

BACHELOR IN COMPUTER APPLICATIONS (BCA)
Term-End Practical Examination
December, 2007

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

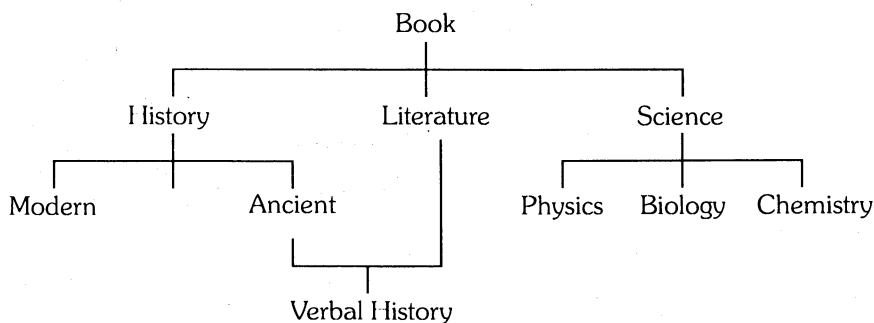
Time allowed : 2 hours

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 MyArray for string manipulations. Read two strings and overload the operator '+' to concatenate them, store the result of concatenated strings in a member of MyArray class. Write appropriate constructor and destructor for class MyArray. Also, display the size of concatenated string using MySize() function. 40
2. Design and implement the following class hierarchy using C++ : 40



You must include the following in your implementation :

- Member variables for the class.
- At least one constructor for each class and destructor, if needed.
- A polymorphic member function that prints the details of the Books.

