

09/06/15

(OLD COURSE)

Q.P. Code : 3104

(3 Hours)

[Total Marks : 100

- N.B. : (1) Question No. 1 is compulsory.
(2) Attempt any four questions from remaining six questions.

1. (a) Distinguish classes and objects with example. 5
(b) Differentiate Identifiers and Keywords with example. 5
(c) Explain use of functions with example. 5
(d) Differentiate class and structure with example. 5
2. (a) Write a C++ program to find the largest and second largest elements in the list entered by the user. 10
(b) Write a C++ program to concatenate a string to the left of a given string without using standard function. 10
3. (a) What is default Constructor? Explain with example. 10
(b) What is friend class and friend function explain with example. 10
4. (a) Write a program to find the sum of two time objects. 10
(b) What is recursion? Write a program to display Fibonacci series upto n numbers using recursion. 10
5. Consider a class network. The class "Master" derives information from both "Admin" and "Account" class, which in turn derives information from the class "Person". Define all the four classes and create, update and display the code information contained in Master objects. Person class has attributes name and code. Account has pay and Admin has experience attributes. 20
6. (a) Write a program which uses function and pointers to copy an array of double. 10
(b) Write a program that can enter and display the data upto 10 employees using structure. Employee structure has members employee_code and salary. 10
7. Write Short notes on (any two). 20
 - (a) Access Modifiers
 - (b) Static and Late Binding
 - (c) Relational and logical Operators
 - (d) Destructors and Constructors