Roll No_____

Examination May-2014
MBA 4th Semester
Programming in C++ (MBA 986)
Paper ID-A2546

Total No.of page-1

Max Time : 3 Hours

Max Marks : 60

Section A

Attempt any four questions from Section A. Each Question is of 5 marks.

Q1.   (a)   Differentiate between if statement and switch statement.
       (b)   What is a variable? Describe the rules for declaring a variable.
       (c)   Differentiate between parameter passing by value and parameter passing by reference in a function.
       (d)   Explain the syntax for class declaration and class function definition.
       (e)   Describe the purpose of destructor using an example.
       (f)   What is operator overloading? Explain using an example.

Section B

Attempt four questions selecting one question from each subsections I , II , III and IV.
Each question is of 8 marks.

Subsection I

Q2.   (a) What is a reference variable?   (2)
       (b) What is a statement? Describe the various types of statements.   (1+5)

Or

Q3.   Define operator. Explain the syntax and purpose of different types of operators.   (2+6)

Subsection II

Q4.   (a) Write a program in C++ to create a function search( ) and pass an array of integers to the function to search a given element using binary search.   (6)
       (b) What is a pointer variable?   (2)

Or

Q5.   (a) What is a function? Differentiate between user-defined and built-in function.   (2+2)
       (b) Write a program in C++ to create a function sort( ) to arrange the elements of a numerical integer array in descending order.   (4)

Subsection III

Q6.   (a) What is a base class? Explain the syntax of deriving a class from a base class using different derivations.   (1+4)
       (b) Explain the utility of friend function using an example?   (3)

Or

Q7.   What is a constructor? Explain the various types of constructors available in C++. (8)

Subsection IV

Q8.   What is function overloading? Write a program in C++ to add three float numbers using function overloading. Also define a function with one default argument.   (2+6)

Or

Q9.   Explain the different classes and header files used for implementing files in C++. (8)

Section C

Q10 is compulsory and is of 8 marks.

Q10.   Describe the Customer Relationship Management System of XYZ organization using classes, inheritance and function overloading.

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