(DMCA 102)

M.C.A. DEGREE EXAMINATION, MAY - 2015

First Year

Paper - II : PROGRAMMING WITH C++

Time : 03 Hours   **Maximum Marks : 75**

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SECTION-A   *(3 x 15 = 45)*

Answer Any Three of the following

1)   a)   Explain the evolution of C++.

      b)   Write a program to create manipulator with 2 arguments.

2)   Explain different types of parameter passing mechanisms with example.

3)   a)   Explain about features & types of pointers.

      b)   Explain about the access of private members with pointers.

4)   Distinguish between function overloading and operator overloading with suitable example.

5)   a)   What is a function template? Give an example.

      b)   Give the generic classes and functions implemented in C++.

SECTION-B   *(5 x 5 = 25)*

Answer Any Five of the following

6)   Define pre-processor directive.

7)   What are various types of operation in C++?

8)   Define 'this' pointer. Write a program to use this pointer and return pointer reference.

9) Discuss about I/O formats in C++.

10) What is virtual base class? Explain.

11) What is operator overloading? Explain with example.

12) Give short notes on files.

13) Give the difference between class diagram & object diagram.

SECTION-C   *(5 x 1 = 5)*
Answer All of the following

14) Define Inline function.

15) What is data abstraction?

16) Define class & object.

17) What is dynamic binding?

18) Define template.

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