

Roll No.

Total No. of Pages : 02

Total No. of Questions : 09

MCA (2015 Batch) (Sem.-1)
OBJECT ORIENTED PROGRAMMING IN C++
Subject Code : MCA-102
Paper ID : [72708]

Time : 3 Hrs.

Max. Marks : 60

INSTRUCTIONS TO CANDIDATES :

- 1. SECTIONS-A, B, C & D contains TWO questions each carrying TEN marks each and students has to attempt any ONE question from each SECTION.**
- 2. SECTION-E is COMPULSORY consisting of TEN questions carrying TWENTY marks in all.**
- 3. Use of non-programmable scientific calculator is allowed.**

SECTION-A

- 1 Discuss the various operators present in C++.
- 2 Explain various types of looping statements by giving the syntax and a suitable example.

SECTION-B

- 3 What do you mean by Pointers? Explain its importance using suitable example.
- 4 Write a program of passing & returning array as an argument to function.

SECTION-C

- 5 Write a program to describe the behavior of parameterized constructors during multiple inheritance.
- 6 Write a program to illustrate the role of friend function in operator overloading.

SECTION-D

- 7 Explain the use of exception handling using suitable example.
- 8 Explain the concept of Late binding by giving a suitable example.

SECTION-E

- 9 **Write briefly :**
 - a) Explain the concept of early binding
 - b) Write short note on Type Conversion.
 - c) Name the various looping statements.
 - d) Discuss the importance of OOP'S.
 - e) Explain Standers Functions.
 - f) Write short note on destructor.
 - g) Explain Virtual destructor.
 - h) Explain the use of pure virtual function.
 - i) Discuss Container classes.
 - j) Explain Binary file operations.