

S.B. Roll No.....

OBJECT ORIENTED PROGRAMMING USING C++
4th Exam/0623/Comp/IT/CSE/Nov'16

Duration: 3 Hrs.

M. Marks: 75

SECTION – A

Q.1 Do as directed:

10x1.5=15

- Object oriented programming follows _____ Approach.
- C++ was developed by _____.
- The extension of a C++ program is _____.
- The operator && is an example of _____ Operator.
- An object is _____ of a class.
- For clrscr() function conio.h header file is used in C++ Program . (T/F)
- A copy constructor takes reference to other call parameters. (T/F)
- A class can contain objects of other class as member. (T/F)
- Virtual function can be of any class. (T/F)
- IOS stands for stands for _____.

SECTION-B

Q :2 Attempt any Six questions.

5x6=30

- Differentiate between while and dowhile loop.
- What is an array? How it is declared and used in C++.
- Explain difference between structure and union with the help of an example.
- Write a program in C++ to find the sum and average of two numbers.
- What do you mean by operator overloading? Explain.
- Explain Inheritance and data abstraction.
- Explain the structure of a C++ program with example.
- What is the difference between call by value and call by reference?
- Write a program in C++ to find factorial of a number.

SECTION-C

Q :3 : Attempt any three questions.

3x10=30

- Explain Polymorphism, Data abstraction and encapsulation in detail.
- Explain different types of operators used in C++.
- Explain the concept of files and operation on files in C++ by giving examples.
- Explain following.
(a) Preprocessor directives (b) friend Function