

S.B.Roll No.....

OBJECT ORIENTED PROGRAMMING USING C++

4TH EXAM/CE/IT/0623/MAY-2015

Duration: 3 Hrs.

Max Marks:75

SECTION-A

Note:- Attempt all questions.

Q1. a) Do as directed:

(1x15)

- (i) Every C++ program begins execution from
- (ii) Thesymbol is called the insertion operator.
- (iii) OOP stands for
- (iv) A Preprocessor is used to create macros.
- (v)function is used to destroy the object created by its class.
- (vi) An instance of a class is called
- (vii)..... is a process of creating new classes from existing classes.
- (viii) A function that calls itself, either directly or indirectly is referred to as Function.
- (ix)binding binds a function at run time.
- (x) In C++ <iostream.h> header file defines cin object. (True/False)
- (xi) By default members of a class are public. (True/False)
- (xii) A friend function can access another class's private data of which it is not a member.(True/False)
- (xiii) An array of character is called
- (xiv) Constructor should be declared in public section of class.(True/False)
- (xv) Every program statement in C++ program must end with a semi colon.(True/false)

SECTION-B

Q2 Attempt any six questions.

(6x5)

- (i) What is an Array? Explain different types of array with example.
- (ii) Define virtual functions and the need for virtual functions.
- (iii) Differentiate between Procedure oriented programming and object oriented programming.
- (iv) What do you mean by Binding? List types of binding.
- (v) What is a Constructor? How a constructor is called, explain.
- (vi) Describe Inheritance and its types with examples.
- (vii)What is the use of STL?
- (viii) Define polymorphism. What are its types?

SECTION-C

Q3 Attempt any two questions.

(15x2)

- (i) What do you mean by Control flow statements? Explain each type with Example.
- (ii) Define Object Oriented Programming. What are the main features associated with it explain.
- (iii) (a) What is a Class? Write a program to explain each aspect of class.
(b)What is the purpose of Files in C++? Explain different operations performed on files.