

S.B. Roll No.....

**OBJECT ORIENTED PROGRAMMING USING C++  
4<sup>th</sup> Exam/Comp/IT/CSE/0623/Nov'18**

**Duration: 3Hrs.**

**M.Marks:75**

**SECTION-A**

**Q1. Do as directed.**

**15x1=15**

- a. Object Oriented Programming follows \_\_\_\_\_ approach.
- b. The operator << is called \_\_\_\_\_.
- c. Null character is represented by \_\_\_\_\_.
- d. A function return a value by reference (T/F)
- e. Constructor are used to \_\_\_\_\_ the objects.
- f. A constructor name must be same as name of class (T/F)
- g. Class declaration must end with a\_\_\_\_\_.
- h. Wrapping up of data and functions is called inheritance (T/F)
- i. Unary operators work on \_\_\_\_\_ operands.
- j. Constructor functions cannot be overloaded(T/F)
- k. A child class is said to be \_\_\_\_\_ from base class.
- l. The process of linking of a procedure call with the code to be executed is called a\_\_\_\_\_.
- m. A pure function has no body (T/F)
- n. A File is a collection of \_\_\_\_\_ data.
- o. \_\_\_\_\_ is used to read a single character from the file.

**SECTION-B**

**Q2. Attempt any six questions.**

**6x5=30**

- i. Difference between procedure oriented programming and object oriented programming.
- ii. What is friend function? Explain by giving suitable example?
- iii. Difference between structure and union. Explain with example?
- iv. Explain the concept of constructors with suitable example.
- v. Write a program to read two numbers from the keyboard and display their average on the screen.
- vi. Difference between constructor and destructor.
- vii. What is class concept? Explain with suitable example.
- viii. What is the need of virtual functions?
- ix. What is difference between while and do-while loop?

**SECTION-C**

**Q3. Attempt any three questions.**

**3x10=30**

- a. Explain various types of loops used in C++ with suitable example.
- b. What do you mean by unary operator overloading? Explain with the help of suitable program.
- c. Write short notes on the following.
  - i. Preprocessor
  - ii. Static functions
- d. What is the use of constructor function in a class? Give a suitable example.
- e. Explain all input and output functions of files in C++.