

OBJECT ORIENTED PROGRAMMING USING C++
4th Exam/COMP/IT/CSE/0623/May'18

Duration: 3Hrs.

M.Marks:75

SECTION-A

Q1. Do as directed.

10x1.5=15

- a. A _____ is used to destroy the objects when they are no longer required.
- b. An abstract class contains at least one _____.
- c. A Friend function is a Non- Member Function. (T/F)
- d. A Constructor is declared with no return type. (T/F)
- e. Scope Resolution Operator can be overloaded. (T/F)
- f. The end of file is detected by using function _____.
- g. $X=0010\ 0001$, Calculate $X \ll 3$.
- h. Procedural Programming follows _____ approach.
- i. Single name multiple forms represent _____.
- j. Default access of the members of the class is _____.

SECTION-B

Q2. Attempt any five questions.

5x6=30

- i. Differentiate between private, public and protected visibility modes with suitable example.
- ii. What do you mean by operator overloading? Write a program to overload unary operator.
- iii. What is Friend Function? Explain with suitable example.
- iv. Write a Program to read a number from the keyboard and check that whether entered number is prime or not.
- v. Explain different operations on File in C++.
- vi. Differentiate between Array and Structure in C++ with help of suitable example.
- vii. Explain all users - defined data types in C++.

SECTION-C

Q3. Attempt any two questions.

2x15=30

- a. Explain all the basic features of Object Oriented Programming Language.
- b. Write short note on the following.
 - i. Static Functions
 - ii. Inline Functions
 - iii. Copy Constructor
- c. Differentiate between Single and Multiple Inheritance with suitable example.