

(Additional) Exam
(Question Paper)

SYIT sem III

.OOPS-

Date - 26/3/15

VCD- 26/3/15 -SYIT- OOPS-SEMIII-75Mks-21/2 Hrs.

Note: All Questions are Compulsory.

Q.1 Answer the Following. (Any Two)

10 M

1. Give the difference between object oriented programming language and procedure oriented programming language.
2. What are the features of OOP?
3. Write a note on Need of OOP.
4. How reusability can be achieved in OOP? Explain.

Q.2 Answer the Following. (Any Two)

10 M

1. What is class? How does it accomplish data hiding?
2. Write a note on member functions in C++.
3. What are object? How they are created?
4. Write a C++ program to show the use of constructor and destructor.

Q.3 Answer the Following. (Any Two)

10 M

1. Explain the concept of binary operator overloading.
2. Write a C++ program to overload decrement operator.
3. Write a note on this pointer.
4. How we can overload relational operator? Explain with example.

Q.4 Answer the Following. (Any Two)

10 M

1. Write a note on visibility of inherited members.
2. Design a class for single level inheritance using public and private type derivation.
3. What is an abstract class? Give the proper programming example.
4. How polymorphism can be achieved at compile time and run time?

Q.5 Answer the Following. (Any Two)

10 M

1. Write a note on C++ stream classes.
2. Write a C++ program to show the use of assignment operator.
3. Write a note on unformatted input function.
4. Write a C++ program to show the use of copy constructor.

Q.6 Answer the Following. (Any Two)

10 M

1. Write a C++ program to show the use of function template.
2. What are the applications of container classes?
3. What is an iterator? What are its characteristics?
4. Show the implementation of template class library for swap function.

Q.7 Answer the Following. (Any Three)

15 M

1. Explain different forms of Inheritance.
2. What are static data members and static member functions?
3. What are the rules for operator overloading?
4. What is a virtual base class? When do we make a class virtual?
5. Write a note on istream and ostream classes.
6. Write a note on standard C++ library.
