CODE NO:- Z-247

FACULTY OF ENGINEERING & TECHNOLOGY
S.E (CSE/IT) Year Examination - June – 2015
Object Oriented Programming in C++
(Revised)

[Time: Three *Hours*]   [Max. Marks:80]

"Please check whether you have got the right question paper."
i)   Solve <u>any two</u> questions from each section

SECTION-A

Q.1   Solve <u>any five</u>   10
   a) What is the use of scope resolution operator (::) in C++?
   b) What are the operators of C++ that cannot be overloaded?
   c) How does constructor differ from normal functions?
   d) What is the default access mode for class members?
   e) What do you mean by cascading of I/O operators?
   f) What is the structure of C++ program?
   g) What will be the output of the following code ?
        For (int m=0 ;m<5;m++)
        Cout <<m;
   h) What does the following poop prints out?
      Int m=1 ;
      While (m<11)
      {
         m++;
      cout<< m++;
      }

Q.2   a)   Difference between obiect oriented programming and procedure oriented programming .   05
      b)   What do you mean by function with default parameters ?Explain it with programming example .   10

Q.3   a)   Write a program to creat a class DATE having data members DD,MM,YY. i) constructor to intialize the   08
           data members   ii) show () to display date iii) overload ++ operator to increment date by one day
           iv) overload –operator to decrement date by one day .Consider one month =30 days
      b)   Write a program to swap two numbers using call by value & call by reference.   07

Q.4   a)   Desribe data types inC++ in details.   07
      b)   Write a program inC++ check whether the given no is prime or not   08

Q.5   Explain all types of connstructor with programming example .   15

SECTION-B

Q.6   Solve <u>any five</u>   10
   a) What is I/O stream ?
   b) What is the type of class for which objects cannot be created?
   c) How to open and close file ?
   d) What is generic in templates ?
   e) What is "this" ?
   f) What is container?
   g) What is the difference between private and protected class members .
   h) What do you mean by function ?What is the prototype of function?

Q.7 a) Explain with example how can a class template be created. 08

     b) Explain the concept of command line arguments with example. 07

Q.8 a) What does inheritance means in C++ ?What are different forms of inheritance ?Give an example of each. 08

     b) What do you mean by function overriding ?Explain with programming example. 07

Q.9 a) Explain the concept of visibility mode in inheritance with example . 05

     b) Explain functions seekg,seekp, tellg ,tellp. Give proper example which show how they are used for setting pointers during file operation 10

Q.10 Write short note on (<u>any three</u>) 15
- a) Static & dynamic binding
- b) Virtual base class
- c) Manipulators
- d) Exception Handling