

**B.TECH. SEM -II COMPUTER/ INFO. TECH. 2014 COURSE
(CBCS) : WINTER - 2017**

SUBJECT: OBJECT ORIENTED PROGRAMMING

Day: **Friday**
Date: **24/11/2017**

W-2017-2014

Time: **10.00 AM TO 01.00 PM**
Max Marks : 60

N.B.:

- 1) All questions are **COMPULSORY**.
 - 2) Figures to the right indicate **FULL** marks.
 - 3) Assume suitable data if necessary.
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Q1. a) Briefly explain object oriented programming paradigm. (05)

b) Write Applications of OOP. (05)

OR

Explain features of object oriented programming in detail. (10)

Q.2 a) What is variable? Write syntax of declaration of Variable. (05)

b) Write note on dynamic initialization of variables with example. (05)

OR

a) Write note on Scope Resolution Operator with any example. (05)

b) What is compiling and linking? Write basic data types. (05)

Q.3 Write a note on function overloading, write a C++ program using function overloading to overload function Add(), Sub(), Mul() etc. (10)

OR

What is a class and object? Write a syntax of class and object. Write a program to accept and display Bank Account information using class and object. (10)

Q.4 What is Virtual Base Class? Write a program for student information using Virtual Base Class. (10)

OR

What is Inheritance? Explain type of Inheritance and give example of multilevel Inheritance. (10)

Q.5 Write a note on Constructor and Destructor. Give example of Constructor and Destructor. (10)

OR

What is Early and Late Binding? Give example of it. (10)

Q6. Explain in detail the unformatted and formatted I/O operation in object oriented programming. (10)

OR

Write down in detail use of C++ stream Classes with example. (10)