

**B.TECH. SEM -II COMPUTER/ INFO. TECH. 2014 COURSE
(CBCS) : SUMMER - 2018**

SUBJECT: OBJECT ORIENTED PROGRAMMING

Day: **Monday**
Date: **11/06/2018**

S-2018-2222

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. Explain basic concept of object oriental programming. (10)

OR

Explain benefits of object oriental programming. Write application of OOP. (10)

Q.2 What is operator? Explain Operator overloading in detail. (10)

OR

Write a program for student information using simple C++ program. Display Roll No., PRN No., Student name, Class Name, Marks. (10)

Q.3 a) What is function? Write syntax of function prototyping. (05)

b) What is Inline function? Write syntax of Inline function. (05)

OR

a) Write note on: (05)
i) Public ii) Private iii) Defining member function.

b) Explain in detail static data member and function in C++ with example. (05)

Q.4 What is inheritance? Explain in detail types of Inheritance. (10)

OR

a) What is a Virtual Base Class? (05)

b) What is a Abstract Class? (05)

Q.5 Write a program display student information using parameterized constructor. (10)

OR

What is Polymorphism? Explain Polymorphism types in detail. (10)

Q6. Write a program to open and close text file. (10)

OR

Explain C++ stream Classes in detail. (10)

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