

B.Tech. SEM -II Computer/ Info. Tech. 2014 Course (CBCS) :

WINTER - 2018

SUBJECT: OBJECT ORIENTED PROGRAMMING

Day: Saturday
Date: 17/11/2018

W-2018-2278

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) Draw neat diagrams **WHEREVER** necessary.
- 4) Assume suitable data if necessary.

Q.1 Compare and Contrast the Procedure Oriented and Object Oriented Programming Paradigms. (10)

OR

Q.1 List and Explain Applications of OOP in detail. (10)

Q.2 Write in detail different types of control structures used in C++. (10)

OR

Q.2 What is the Static and Dynamic Initialization of variables? Explain it with example. (10)

Q.3 Explain with example Call by Reference and Call by value. (10)

OR

Q.3 With the help of example explain the process of defining functions outside class. (10)

Q.4 Write down a detail note on Virtual base class in OOP. (10)

OR

Q.4 What is function template? Explain how parameters are passed to function template with suitable example. (10)

Q.5 What is Constructor? Describe types of constructor each with example. (10)

OR

Q.5 Explain how compile time polymorphism is achieved using operator overloading. (10)

Q.6 What is file Handling? Explain Unformatted I/O Operations in C++. (10)

OR

Q.6 Explain with example how to open and close files in C++ Program. (10)