

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 classe 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)**