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JAYPEE UNIVERSITY OF INFORMATION TECHNOLOGY, WAKNAGHAT

TEST -1 EXAMINATION- FEB 2019

COURSE CODE: 10B11CI311

MAX. MARKS: 15

COURSE NAME: OBJECT-ORIENTED PROGRAMMING

COURSE CREDITS: 3

MAX. TIME: 1 Hrs.

Note: All questions are compulsory. Carrying of mobile phone during examinations will be treated as case of unfair means.

- Q1. CO-1 i) Distinguish between Object-Oriented Programming and Procedural programming. [3]
CO-1 ii) Explain abstraction and encapsulation with suitable example. [2]
- Q2. CO-1 i) What is a class? What is the relation between an object and a class? Write a program which shows how to define a class, how to access member functions and how to create and access objects in C++. [3]
CO-2 ii) Write a program to find maximum of all the data members of two different classes by using friend function to both classes. [3]
- Q3. CO-2 i) What is Constructor? With an example distinguish between parameterized constructor and copy constructor. [2]
CO-2 ii) A class Sample consists of two object member function: enterMessage() and displayMessage(). How can you invoke these methods outside the class, without defining an object? [2]