JAYPEE UNIVERSITY OF INFORMATION TECHNOLOGY, WAKNAGHAT

TEST -1 EXAMINATION- 2026

B. Tech-III Semester (CSE/IT)

C0URSE CODE (CREDITS): **18B11CI311**   MAX. MARKS: **15**

C0URSE NAME: **OBJECT ORIENTED SYSTEMS AND PROGRAMMING**

C0URSE INSTRUCTOR: Ajeet Kumar Verma   MAX. TIME: **1 Hour**

Note: *(a) All questions are compulsory.*

      (b) The candidate is allowed to make Suitable numeric assumptions wherever required

        for solving problems

      (c) Use of calculators is not allowed

Q.No	Question	CO	Marks
Q1	Differentiate between Structured Programming and Object-Oriented Programming. Explain any two advantages of Object-Oriented Programming.	1	3
Q2	Define a class and an object in C++. Write a simple C++ program snippet that demonstrates data members and member functions of a class.	1	3
Q3	Explain file handling in C++. Name any two file stream classes and write the steps involved in reading data from a file.	1	3
Q4	What is function overloading? How is it different from operator overloading? Give one example of each in C++.	1	3
Q5	Write the output of the program. ```#include <iostream>\nusing namespace std;\nclass Sample {\n int x;\npublic:\n Sample(int a) {\n x = a;\n cout << "Constructor called" << endl; }\n Sample() {\n cout << "Destructor called" << endl; }\n void show() {\n cout << "Value of x = " << x << endl; } };\nint main() {\n Sample s1(10);\n s1.show();\n return 0; }```	1	3