

ANURAG Engineering College

(An Autonomous Institution)

II B.Tech I Semester Supplementary Examinations, December – 2024

**OBJECT ORIENTED PROGRAMMING
(COMPUTER SCIENCE AND ENGINEERING)****Time: 3 Hours****Max. Marks: 75****Section – A (Short Answer type questions)****(25 Marks)****Answer All Questions**

	Course Outcome	B.T Level	Marks
1. Define namespace.	CO1	L1	2M
2. Write note on rules to frame Identifiers.	CO1	L2	3M
3. Define Constructor.	CO2	L1	2M
4. Explain the concept of Default Arguments.	CO2	L2	3M
5. What is virtual base class.	CO3	L1	2M
6. Explain this pointer.	CO3	L2	3M
7. Distinguish between error and exception.	CO4	L1	2M
8. What is Template? Explain.	CO4	L2	3M
9. Write about cin and cout objects.	CO5	L2	2M
10. Write about the functions used to open and close a file.	CO5	L2	3M

Section B (Essay Questions)**Answer all questions, each question carries equal marks.****(5 X 10M = 50M)**

11. A) Analyze all the Object-Oriented Principles and also the Structure of C++ program.	CO1	L3	10M
OR			
B) Write note on conditional and control structures.	CO1	L2	10M
12. A) Explain the concept of Function Overloading with example program.	CO2	L2	10M
OR			
B) Explain the concept of Call by Reference and Return by Reference.	CO2	L2	10M
13. A) Utilize Multilevel Inheritance to develop an example program in C++.	CO3	L3	10M
OR			
B) Explain the concept of virtual functions and pure virtual functions.	CO3	L3	10M
14. A) Explain the concept of Exception Handling in C++.	CO4	L3	10M
OR			
B) Utilize Function Template to develop a C++ Program.	CO4	L2	10M
15. A) Utilize unformatted I/O functions to perform read and write operations. Explain with example.	CO5	L2	10M
OR			
B) Write about all the classes used for file stream operations.	CO5	L2	10M