SIDDHARTH INSTITUTE OF ENGINEERING & TECHNOLOGY:: PUTTUR
(AUTONOMOUS)
MCA I Year I Semester Supplementary Examinations June/July-2025
OBJECT ORIENTED PROGRAMMING THROUGH C++

Time: 3 Hours   **Max. Marks: 60**

(Answer all Five Units **5 x 12 = 60** Marks)

UNIT-I

1	What are the differences between Procedure Oriented Language & Object Oriented Language? Clearly explain them.	CO1	L1	12 M

OR

2	Evaluate Flow control Statements with an example.	CO1	L5	12 M

UNIT-II

3	Develop a program using C++ parameter passing methods and Pointers to functions.	CO2	L6	12 M

OR

4	Criticize Dynamic Memory allocation and De-allocation with an example.	CO2	L4	12 M

UNIT-III

5	What is Polymorphism? Explain details about Types of Polymorphism with an example.	CO2	L1	12 M

OR

6	a	What is Overloading?	CO2	L1	6 M
	b	Explain types of overloading with an example.	CO2	L2	6 M

UNIT-IV

7	a	Define static and dynamic Binding.	CO2	L2	4 M
	b	Clearly explain static and dynamic binding by developing suitable programs.	CO2	L6	8 M

OR

8	a	List the importance of Static and dynamic bindings.	CO2	L5	6 M
	b	Write a program to implement run time polymorphism.	CO4	L6	6 M

UNIT-V

9	Determine error handling during file operations with an example	CO5	L3	12 M

OR

10	Illustrate the Benefits of Exception Handling. With suitable example.	CO6	L3	12 M

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