Reg. No.				

G. VENKATASWAMY NAIDU COLLEGE (AUTONOMOUS), KOVILPATTI - 628 502.



UG DEGREE END SEMESTER EXAMINATIONS - APRIL 2025.

(For those admitted in June 2023 and later)

PROGRAMME AND BRANCH: B.C.A.							
SEM	CATEGORY CO		COMPONENT	COURSE CODE	COURSE TITLE		
II	PAR'	r-III	CORE-3	U23CA202	OBJECT ORIENTED PROGRAMMING CONCEPTS USING C++		
Date & Session: 28.04.2025 /FN Time: 3 hours Maximum: 75 Max							
Course Outcome	Bloom's K-level	Q. No.	SECTION - A (10 X 1 = 10 Marks) Answer ALL Questions.				
CO1	K1	1.	Identify the correct identifier used in C++				
			a) VAR_1234		b) \$var_name		

			a) #include <string.h> b) #include <cstring></cstring></string.h>
			c) #include <string> d) #include <string.cpp></string.cpp></string>
Course Outcome	Bloom's K-level	Q. No.	$\frac{\text{SECTION} - B}{\text{Answer } \underline{\text{ALL}}}$ Questions choosing either (a) or (b)
CO1	КЗ	11a.	How will you apply If else statement in C++? Explain.
			(OR)
CO1	КЗ	11b.	Make use of for loop to print all prime numbers between 1 and 50.
CO2	К3	12a.	Apply function overloading with a function named add() to add integer and double in C++.
			(OR)
CO2	К3	12b.	What are the main uses of Copy constructor in C++? Explain with an example.
CO3	K4	13a.	Examine operator overloading with example. (OR)
CO3	K4	13b.	Analyse the usage of Virtual base class in C++.
CO4	K4	14a.	Critique the use of new and delete operator in C++. (OR)
CO4	K4	14b.	Examine the array of classes in C++.
CO5	K5	15a.	"Binary files typically consume less storage space than ASCII files"-Justify the statement.
005	T25	1 51	(OR)
CO5	K5	15b.	Investigate the string comparison in C++ with suitable example.

Course Outcome	Bloom's K-level	Q. No.	<u>SECTION - C (</u> 5 X 8 = 40 Marks) Answer <u>ALL Questions choosing either (a) or (b)</u>
CO1	КЗ	16a.	How will you apply while and do while statement in C++? Explain with an example.
			(OR)
CO1	КЗ	16b.	illustrate call by reference and return by reference in C++.
CO2	K4	17a.	Apply array of objects in C++ to store data of more than one student. (OR)
CO2	K4	17b.	Analyze the usage of destructor in C++.
CO3	K4	18a.	Examine the hybrid inheritance in hierarchical classification. (OR)
CO3	K4	18b.	Deduce the advantages of using multilevel inheritance in C++?
CO4	K5	19a.	Evaluate the importance of polymorphism in C++. (OR)
CO4	K5	19b.	Compare the one-dimensional array and two-dimensional array.
CO5	K5	20a.	Justify the need of Exception handling in C++ with example. (OR)
CO5	K5	20b.	Assess the usage of read operation in C++.