Reg. No. | | | | | | | | |

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

UG DEGREE END SEMESTER EXAMINATIONS - NOVEMBER 2025.

(For those admitted in June 2024 and later)

PROGRAMME AND BRANCH: B.Sc., COMPUTER SCIENCE

SEM	CATEGORY	COMPONENT	COURSE CODE	COURSE TITLE
I	PART - III	CORE - 1	U24CS101	C PROGRAMMING

Date & Session: 07.11.2025/FN **Time : 3 hours** **Maximum: 75 Marks**

Course Outcome	Bloom's K-level	Q. No.	**SECTION – A (10 X 1 = 10 Marks) Answer ALL Questions.**
CO1	K1	1.	All keywords in C are in _____. a) Lower Case b) Upper Case c) Camel Case d) Sentence Case
CO1	K2	2.	The && and || operators compare two _____ Values. a) Numeric b) String c) Boolean d) Character
CO2	K1	3.	Which of the following is an unconditional control structure? a) do...while b) goto c) if...else d) for
CO2	K2	4.	What does a break statement do? a) halt execution b) restart execution c) continue execution d) Exit Loop
CO3	K1	5.	Array elements are always stored in _____ memory locations a) Sequential b) Non-continuous c) Random d) Same
CO3	K2	6.	Which keyword is used to send the value back to the main program when function is called? a) Static b) Back c) Send d) Return
CO4	K1	7.	Which can contain elements of different data type a) Array b) Structure c) Pointer d) Function
CO4	K2	8.	The size of a union is determined by the size of the..... a) First member b) Last member c) Largest member d) Sum of the all members
CO5	K1	9.	If p is an integer pointer with a value 1000, then what will the value of p + 5 be? a) 1004 b) 1008 c)1016 d)1020
CO5	K2	10.	The ..... operator is the standard and most readable way to access a structure's member through a pointer a). (dot) b) & (and) c) # (hash) d) -> (arrow)
Course Outcome	**Bloom's K-level**	**Q. No.**	**SECTION – B (5 X 5 = 25 Marks) Answer ALL Questions choosing either (a) or (b)**
CO1	K3	11a.	Classify the primitive data types in C with suitable examples? **(OR)**
CO1	K3	11b.	Show how the operators are evaluated in an expression?

CO2	K3	12a.	Construct a statement block with GOTO statement and interpret it? **(OR)**
CO2	K3	12b.	Discuss Jumps in Loop with example?
CO3	K4	13a.	Describe Declaration and Initialization of Two Dimensional Arrays? **(OR)**
CO3	K4	13b.	Differentiate Call by Value and Call by Reference?
CO4	K4	14a.	Distinguish Structure and Union? **(OR)**
CO4	K4	14b.	Demonstrate Macro substitution with an Example?
CO5	K5	15a.	State the importance of Pointers? **(OR)**
CO5	K5	15b.	Illustrate the concept of Pointers and Functions?

Course Outcome	**Bloom's K-level**	**Q. No.**	**SECTION – C (5 X 8 = 40 Marks)** **Answer ALL Questions choosing either (a) or (b)**
CO1	K3	16a.	Discuss various operators in C? **(OR)**
CO1	K3	16b.	Demonstrate Type Conversion with suitable Examples?
CO2	K4	17a.	Illustrate Decision making and Branching Statements? **(OR)**
CO2	K4	17b.	Describe Entry Controlled and Exit Controlled Loop with Syntax?
CO3	K4	18a.	Analyze the categories of Functions with Example? **(OR)**
CO3	K4	18b.	Discuss various String handling Functions in C?
CO4	K5	19a.	Compare and Contrast Arrays of Structure and Arrays within Structure? **(OR)**
CO4	K5	19b.	Elaborate File inclusion in C Programming with Examples?
CO5	K5	20a.	Differentiate accessing a variable through address and accessing a variable through pointer? **(OR)**
CO5	K5	20b.	Demonstrate arithmetic operators and Pointer Variables with an example?