

Roll No.....

Total No. of page(s): 1

BT-1/D-21: 41024

CSE-101N: Introduction to Computer Programming

Time: 3 hrs]

[Max. Marks: 75

Sr. No.	Note: Attempt FIVE questions in all selecting at least ONE question from each unit. All questions carry equal marks.	Marks allotted
UNIT - I		
I(a)	Write an algorithm to find roots of a quadratic equation.	9
(b)	Differentiate between compiler, interpreter and assembler.	6
II(a)	Convert $(675.25)_{10}$ to binary, octal and hexadecimal number system.	6
(b)	Write short notes on (i) Printer (ii) Storage devices (iii) Keyboard.	9
UNIT – II		
III(a)	What are the various storage classes in C? Explain using suitable examples.	10
(b)	Explain the various I/O function in C using suitable examples.	5
IV(a)	Write a program in C to find sum of the digits of the input number.	5
(b)	Explain the various operators in C along with their hierarchy and associativity.	10
UNIT – III		
V (a)	Write a program in C to multiply two matrices.	7.5
(b)	What is a function? What are the advantages and disadvantages of using functions? How can you pass parameters in a function?	7.5
VI	You are given with a list of strings. Write a program using functions to find whether a particular string exists within that list or not. If particular string exists within the list, display its location otherwise display appropriate message.	15
UNIT – IV		
VII	Explain following functions w.r.t. file handling in ‘C’ using suitable examples: (i) rewind() (ii) ftell() (iii) fseek() (iv) fopen() (v) fread().	15
VIII(a)	Write down the similarities and differences between array, structure, and union.	7.5
(b)	What do mean by pointer? Describe various operation that can be performed on pointers. Also enlist the operations that can not be performed on pointers.	7.5