R16

Reg. No:

SIDDHARTH INSTITUTE OF ENGINEERING & TECHNOLOGY: PUTTUR
(AUTONOMOUS)
B.Tech I Year I Semester Supplementary Examinations August-2021
COMPUTER PROGRAMMING
(Common to All)

Time: 3 hours

Max. Marks: 60

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

UNIT-I

1	Apply software development method on finding the roots of a quadratic equation.	12 M

OR

2	Write detailed notes on C data types.	12 M

UNIT-II

3	a	Explain goto statement. Why should we avoid using "goto" statement in programming?	6M
	b	Write a program to check whether the given number is "Even" or "Odd" using GOTO statement.	6M

OR

4	a	Write a program to check whether the given number is Armstrong or not.	6M
	b	Write a program to generate 'n' Fibonacci numbers.	6M

UNIT-III

5	Write a C program to multiply two matrices of different order.	12M

OR

6	a	Explain declaration and initialization of array of strings.	5M
	b	Write a C program to find whether a given string is palindrome or not.	7M

UNIT-IV

7	a	What is recursion? What are the advantages and Disadvantages of recursion?	6M
	b	Write a C program to find the GCD of 2 numbers using recursion.	6M

OR

8	a	How to access a structure member using pointers, explain with example.	6M
	b	Write a C program to illustrate the use of indirection operator to access the value pointed by a pointer.	6M

UNIT-V

9	a	Write the syntax for opening a file with various modes and closing a file.	4M
	b	Explain the following file handling functions: i) fseek() ii) ftell() iii) rewind() iv) feof()	8M

OR

10	a	Discuss command line arguments in detail with examples.	6M
	b	Write a short notes on: i. fgets() ii. fputs()	6M

*** END ***