

CONTINUOUS INTERNAL EVALUATION - 2

Dept: FY	Sem/Div: 2 A, B, C	Sub: C Programming for Problem Solving	S Code: 18CPS23
Date: 31.08.21	Time: 3.00pm to 4.30pm	Max Marks: 50	Elective: N
Note: Answer any 2 full questions, choosing one full question from each part.			

QN	Questions	Marks	RBT	COs
PART A				
1	a Define an array? Explain the declaration and initializations of single-dimensional array with examples.	10	L2	CO3
	b Explain any five string manipulation functions with an example for each.	8	L2	CO3
	c Write a C program to search an integer from given N numbers in ascending order using <i>binary search algorithm</i> .	7	L3	CO3
OR				
2	a What is two dimensional array? Explain its declaration and initializations with examples.	10	L2	CO3
	b What is a string? Give its declaration with examples. And also explain unformatted string input and output functions with an example for each.	8	L2	CO3
	c Write a C program to read N numbers into an array & perform <i>bubble sort</i> .	7	L3	CO3
PART B				
3	a Explain elements of function definition with an example.	10	L2	CO4
	b Explain the difference between user defined functions & library functions. What are the benefits of user defined functions?	8	L2	CO4
	c Write a C program to find sum of diagonal elements of given matrix.	7	L3	CO3
OR				
4	a What is function? Explain classification of user defined functions based on parameter passing and return value with an example for each.	10	L2	CO4
	b With an example and syntax explain <i>function call</i> and <i>function prototype</i> .	8	L2	CO4
	c Write a C program to concatenate given two strings without using built-in function.	7	L3	CO3


