[A Unit of Vivekananda Vidyavardhaka Sangha Puttur ®]
Affiliated to VTU, Belagavi & Approved by AICTE New Delhi

CRM08	Rev 1.10	«CSE»	«01.03.2021»

CONTINOUS INTERNAL EVALUATION - 2

Dept: FY	Sem/Div: 1 D, E, F	Sub:C Programming for Problem Solving	S Code: 18CPS13
Date: 05.03.21	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	CO's
		PART A			
1	a	Define array? Explain the declaration & initialization of single-dimensional array with example.	10	L2	CO3
	b	Develop a C program to search an integer from N numbers in ascending order using binary searching technique.	8	L3	CO3
	c	Explain any five string manipulation library functions with example.	7	L2	CO3
		OR			
2	a	Explain the declaration & initialization of two-dimensional array with example.	10	L2	CO3
	b	Write a 'C' Program to read N numbers into an array & perform bubble sort.	8	L3	CO3
	c	What is string? Give its declaration with example. Also explain unformatted string input and output functions with an example for each.	7	L2	CO3

3	a	What is function? Explain different classification of user defined functions based on parameter passing and return value with examples.	10		
	b	Explain the difference between user defined functions & library functions. What are the benefits of user defined functions?	8	L2	
	c	Write a 'C' Program to find the transpose of a given matrix.	7	L3	CO3
		OR			
4	a	Explain the elements of user defined functions in detail.	10	L2	CO4
	b	Differentiate user defined functions based on call by value and call by reference.	8	L2	CO4
	c	Write a 'C' Program to concatenate two strings without using built in function.	7	L3	CO3

Prepared by: Deepthi M B