

CRM08

Rev 1.10

<CSE>

<28.1.2021>

CONTINUOUS INTERNAL EVALUATION - 1

Dept: FY	Sem/Div: I D, E, F	Sub: C Programming for Problem Solving	S Code: 18CPS13
Date: 02.02.21	Time: 9.30am to 11.00am	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 What is a Computer? Explain generations of computers. <i>VIMP</i>	10	L2	CO1
	b Explain Basic structure of C with a program.	8	L2	CO2
	c Explain various primary memory components of computers.	7	L2	CO3
OR				
2	a With a block diagram, explain functional units of digital computer.	10	L2	CO1
	b What is a variable? Write the rules to form a variable with suitable examples.	8	L2	CO2
	c What is software? Explain different types of softwares.	7	L2	CO3
PART B				
3	a List all branching statements used in C. Explain if, if-else, nested if-else and cascaded if-else statements with their syntax, flowchart and examples.	10	L2	CO1

b	Develop C program to find area of triangle. And also write its algorithm and flowchart.	8		
c	What is meant by formatted output statement? Explain formatted output function used in C with its control string specifications.	7	L2	

OR

a	Write syntax and flowchart of switch statement and explain it with an example.	10	L2	CO2
b	How while loop is distinct from do-while loop? Justify your answer by comparing them.	8	L3	CO2
c	Write C program to find greatest among three integers using (i) Conditional operator and (ii) Conditional branching statements.	7	L3	CO2

HOD

Prepared by: Prabhakara B. K. Checked By: Deepthi M B