

CRM08

Rev 1.11

CSE

12.01.2022

CONTINUOUS INTERNAL EVALUATION - 1

Dept: CSE	Sem / Div: i st F	Sub: Problem Solving through Programming	S Code: 21PSP13
Date: 19.01.2022	Time: 3:00-4:30pm	Max Marks: 40	Elective: N

Note: Answer any 2 full questions, choosing one full question from each part.

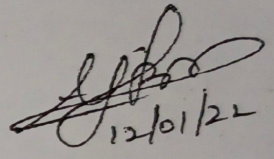
QN	Questions	Marks	RBT	CO's
PART A				
1	a Explain different generations of computers.	8	L2	CO1
	b Explain Basic Structure of C with a program.	7	L2	CO2
	c i) Evaluate $c = 12 \parallel 5 \ \&\& \ 0 \ \&\& \ 3 \parallel !0 > 5 / 2$ ii) If $a = 1, b = 2, c = 3$ then Solve $a += b \% c *= a$	5	L3	CO2
OR				
2	a With a block diagram, explain functional units of digital computer.	8	L2	CO1
	b What is Type Conversion? Explain Type Conversion techniques with examples.	7	L2	CO2
	c Convert the below expressions into computer expressions i) $z = \frac{e^{\sqrt{x}} + e^{\sqrt{y}}}{\sin \sqrt{ y }}$ ii) $a = \frac{\alpha + \beta * \gamma}{\cos x }$	5	L3	CO2
PART B				
3	a What is data type? Explain basic data types of C programming with their memory size and range.	8	L2	CO2
	b Compare Primary Memory with Secondary Memory.	7	L2	CO1
	c Write an algorithm, flowchart and C program to convert temperature from Fahrenheit to Celsius.	5	L3	CO2

OR

4	a	What is an operator? Explain Relational and logical operators with examples.	8	L2	CO2
	b	What is topology? Compare System software with Application software.	7	L2	CO1
	c	Write flowchart and C program to find greatest among three integers using Conditional operators.	5	L3	CO2



Prepared by: Prof. Prabhakara B K



12/01/22

HOD