

CRM08

Rev 1.14 (2022 rev)

CSE

26/12/2023

CONTINUOUS INTERNAL EVALUATION - 2

Dept:CSE	Sem / Div:1 st CSE /A,B	Sub:Principles of Programming using C	S Code: BPOPS103
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Date: 11/01/2024	Time: 10.00- 11:30	Max Marks: 50	Elective:N
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Note: Answer any 2 full questions, choosing one full question from each part.

QN	Questions	Marks	RBT	CO's
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PART A

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|-----|---|----|----|-----|
| 1 a | Write a C program to print Fibonacci series using recursion. | 7 | L2 | CO3 |
| b | Write a C program to find sum of two matrices or 2D arrays. | 8 | L3 | CO3 |
| c | Explain function definition, function call and function declaration with example. | 10 | L2 | CO3 |

OR

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|-----|--|----|----|-----|
| 2 a | Write a C program to find transpose of a matrix. | 7 | L3 | CO3 |
| b | Explain two types of argument passing techniques with example program. | 8 | L2 | CO3 |
| c | Write a program to search an element using i) linear search ii) binary search. | 10 | L3 | CO3 |

PART B

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|-----|--|---|----|-----|
| 3 a | Explain fopen() function with syntax and various modes in which a file can be opened in a C program. | 7 | L2 | CO4 |
| b | Implement structure to read and display Book_title, Book_author, and Book_id for N books. | 8 | L3 | CO4 |

c	Explain any 5 string library functions with syntax and example.	10	L2	CO3, 4
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OR

4 a	Write a program to reverse a string without using built in function strrev() and check for palindrome.	7	L3	CO3, 4
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b	Differentiate between structures and unions.	8	L2	CO4
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c	Explain pointer variable declaration and initialization with suitable example. Develop a C program to find largest of three numbers using pointers.	10	L2, L3	CO4
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Prepared by: Savitha M *Savitha*
26/12/23

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