2023

COMPUTER SCIENCE — HONOURS — PRACTICAL

Paper : CC-2P

(Programming in C)

Full Marks : 30

SET-3

Marks Distribution :

Source Code	:	10
Algorithm	:	05
Output	:	05
Sessional	:	04
Viva voce	:	06

Answer any one question.

1. Write a C program that accepts two strings and checks whether the second string in present in the last part of the first string.

2. Given an array A of *n* elements.

   (a) Find the number of even elements and Odd elements along with their positions

   (b) Remove duplicate elements from the array.

3. Given an array **arr[ ]** and an integer **K**, where K is smaller than size of array, write a program in C to find the **K**th **smallest** element in the given array. It is given that all array elements are distinct.

4. Write a program in C to input two arrays A (m, n) and B (n, p) and find their product C (m, p). Keep a check for the case so that the number of columns of the first array and the number of rows of the second array are same.

5. Given a sorted array **arr** containing n elements with possibly some duplicate, write a C program to find the first and last occurrences of an element **x** in the given array. If the number **x** is not found in the array then return both the indices as – 1.

6. Write a program in C to convert a decimal number to it's equivalent binary number.

7. Define a structure named Time with members hours, minutes and seconds. Write a C program to input two times, add them, and display the result in proper time format.

8. Write a program in C to delete a specific line from a file.

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