2024

COMPUTER SCIENCE — HONOURS — PRACTICAL

Paper : DSCC-2P

(Problem Solving Using C Lab)

Full Marks : 25

The figures in the margin indicate full marks.

$$\boxed{\text{Set - 1}}$$

Marks Distribution :

Experiment	:	15 (Source Code : 8, Algorithm : 4, Output : 3)
Viva voce	:	05
Laboratory Notebook	:	05

Answer ***any one*** question.

1. Write a program in C to find sum of the series, $S = 1 - \dfrac{1}{2} + \dfrac{1}{3} - \dfrac{1}{4} + \ldots$ up to n terms.

2. Write a menu driven program in C to perform the following operations on an array of integer numbers :

    (a) Average of even numbers

    (b) Find minimum number from the array.

    The array is to be taken as input from user.

3. Write a C program that accepts date as input in dd/mm/yyyy format and print next date if the input is valid.

4. Write a C program that converts number of any base to decimal number.

5. Write a C program to merge the contents of two files 'first.dat' and 'second.dat' to a new file named 'result.dat'.

6. Write a C program that reverse the contents of a file.

7. Write a C program that accept string and print it in reverse word by word.

   e.g. – input : alex is good boy

   output : boy good is alex

8. Write a C program that reads a file containing integers and append at its end the sum of all the integers.

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