'समानो मन्त्रः समितिः समानी'

UNIVERSITY OF NORTH BENGAL

B.Sc. Honours 1st Semester Examination, 2022

CC1-COMPUTER SCIENCE (12L) (PRACTICAL)

PROGRAMMING IN C LAB

Time Allotted: 2 Hours | Full Marks: 20

The figures in the margin indicate full marks.

Answer any *one* question on lottery basis

1. Write a program in C to calculate GCD and LCM of two numbers.

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2. Write a program in C to sort ten integers in descending order using selection sort techniques.

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3. Write a program in C to find an item from the list of *n* numbers using binary search technique.

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4. Write a program in C to compute ${}^{n}C_{r}$ using recursion.

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5. Write a program in C to print abbreviation of a name. For example,
Input: Mr. Ajay Kumar Singh, Output: Mr. A.K. Singh.

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6. Write a program in C to print the following pattern using Loops:

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1
2  3
4  5  6
7  8  9  10
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7. Write a program in C to reverse a number given by user using function.

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8. Write a program in C to check whether a given number is a Prime or Composite.

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9. Write a program in C to compute the sum of first *n* terms of the series
S = 1+8+27+64+.....

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10. Write a program in C to copy the contents of one text file to another text file after removing all whitespaces.

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11. Write a program in C to convert a decimal number to its equivalent binary number.

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