



UNIVERSITY OF NORTH BENGAL
BCA Honours 1st Semester Examination, 2020

CC1- BACHELOR OF COMPUTER APPLICATION

PROGRAMMING IN C

Full Marks: 40

ASSIGNMENT

The figures in the margin indicate full marks.

Answer any two questions from the following

20×2 = 40

1. (i) Discuss different types of loops in C with proper example. 10
(ii) Write a program in C to find second smallest number from given N numbers. Also give an output example. 10
2. (i) Describe structure of 'if-else', 'nested if', and 'if-else-if' statement. 10
(ii) Write a program to convert a decimal number to its equivalent binary number. Give an example output. 10
3. (i) Write a program in C to find GCD and LCM of two given numbers. Also give an example output. 10
(ii) What are different data types in C? Write program in C to identify if a given number is integer or a floating point number. 3+7
4. (i) Differentiate array and string. Write a program in C to reverse a string. 2+8
(ii) Write a program in C to find sum of N numbers using Array (Value of N should be provided by user). 10
5. (i) Write a program in C to print all perfect numbers in a given range using Function. 10
(ii) What do you mean by NULL POINTER? Write a program (with output) in C to find factorial of a given number using pointer. 2+8

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