

North Gauhati College
Department of Mathematics

SEMESTER VI(HONOURS)
HOME ASSIGNMENT I

M-603 (NON-CBCS)
Computer Programming in C

August 2021

TOTAL MARKS: 20

INSTRUCTIONS TO CANDIDATES

1. This assignment paper contains **Twenty (20)** questions and comprises **Three (3)** printed pages.
2. Each question carry **One** mark. Answer all questions.
3. Submit the assignment as a single **PDF** file through the **online portal of our college website** under section “Assignments” and send a copy to the email id mathngc1969@gmail.com.
4. Write your **Name, GU Roll No., and Registration Number** in the assignment .
5. Submission **Due Date** is on or before **31st August, 2021**.

(Answer all)

1. Write a C program to check whether the input integer number is positive or negative.
2. Write a C program to reverse a given number.
3. Write a C Program to find largest of three input numbers.
4. Write a C program to find Fibonacci Series using loop.
5. Write a C program to find factorial of a number.
6. Write a C program to check whether a number is prime or not.
7. Write a C program to check Armstrong number.
8. Write a C program to check if a number is palindrome or not.
9. Write a C Program to check if number is even or odd.
10. Write a C program to find sum of natural numbers using for loop.
11. Write a C program to find the sum of natural numbers using while loop.
12. Write a C program to calculate and print the value of ${}^n P_r$.

13. Write a C program to calculate and print the value of ${}^n C_r$.
14. Write a C program to find the average of two numbers.
15. Write a C program to find Quotient and Remainder.
16. Write a C program to find the sum and product of two given numbers.
17. Write a C program to find whether is leap year or not.
18. Write a C program to find area of a triangle.
19. Write a C program to find area of a circle.
20. Write a C program to find the square root of any input number.

END OF PAPER