B. Sc. (HONOURS-GE) FIRST SEMESTER EXAMINATIONS, 2021
RAMANANDA COLLEGE

Subject: **Computer Science**

Course Code : **SH/CSC/103/GE-1**   **Course ID: 11524**

Course Title: **Introduction to Programming (Practical)**

Full Marks: **15**   **Time: 2 Hrs.**

The figures in the margin indicate full marks

1. **Answer *any one* of the following questions:**   **(15)**

   a) Write a programme in C to reverse a number.

   b) Write a programme in C to compute factors of a given number.

   c) Write a programme in C to print the maximum element of an array.

   d) Write a programme in C to print a triangle of stars as follows (take number of lines from users).

   ```
           *
         *   *
        *   *   *
       *   *   *   *
      *   *   *   *   *
   ```

   e) Write a programme in C that swaps two numbers using pointers.

   f) Write a programme in C to display Fibonacci Series.

   g) Write a programme in C to calculate and print the sum and average of the elements of an array.

   h) Write a C program to find the GCD of two numbers.

   i) Write a programme to check whether a given number is prime or not.

   j) Find the sum and product of digits of a number.