

**B. Sc. (HONOURS) FIRST SEMESTER EXAMINATIONS, 2022  
RAMANANDA COLLEGE**

**Subject: Computer Science**  
**Course Code : SH/CSC/103/GE-1**  
**Course Title: Introduction to Programming (Practical)**  
**Full Marks: 15**

**Course ID: 11524**

**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 compute factors of a given number.
- b) Find the sum and product of digits of a number.
- c) Write a programme to check whether a given number is prime or not.
- d) Write a programme in C to reverse a number.
- e) Write a programme in C to print the maximum element of an array.
- f) Write a programme in C to print a triangle of stars as follows (take number of lines from users).

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- g) Write a programme in C that swaps two numbers using pointers.
- h) Write a programme in C to display Fibonacci Series.
- i) Write a programme in C to calculate and print the sum and average of the elements of an array.
- j) Write a C program to find the GCD of two numbers.