

**BANKURA UNIVERSITY**

**B.Sc(Honours) First SEMESTER EXAMINATIONS, 2021**

**Subject: Computer Science**

**Course ID: 11514**

**Course Title: introduction to programming**

**Full Marks: 25**

**Time: 1 hr. 15 min**

**The figures in the margin indicate full marks**

**Answer all the questions.**

**UNIT I**

**1. Answer *any five* of the following questions: (5×1=5)**

- a) What is variable and constant?
- b) What is static variable?
- c) What is flowchart?
- d) Give definition of algorithm.
- e) Write syntax of for loop.
- f) What is array in C language?
- g) Write function of ALU.
- h) How many parts are there in a CPU?

**UNIT II**

**2. Answer *any TWO* of the following questions: (2×5=10)**

- a) Design a flowchart to find **the largest among three different numbers entered by the user.**
- b) Discuss different data types in C language.
- c) Discuss about call by value and call by reference.
- d) Write a C programme –to find the factorial of a positive integer.

### UNIT III

3. Answer *any one* of the following questions:

(1×10=10)

- a) Draw a block diagram of a digital computer and describe all units.
- b) i) write a C programme- To find  $1+2+3+\dots+N$  (N will be given by user)  
ii) Write a C programme- to display all numbers between 1 & 100 divisible by 13.