This question paper contains **2** printed pages]

NA—316—2023

FACULTY OF SCIENCE

B.Sc. (First Year) (First Semester) EXAMINATION

NOVEMBER/DECEMBER, 2023

(New Pattern)

COMPUTER SCIENCE

Paper-I

(Programming Logic Concepts-I)

(Friday, 22-12-2023)   **Time : 10.00 a.m. to 12.00 noon**

Time—2 Hours   *Maximum Marks—40*

N.B. :— (1)   Assume suitable data if necessary.

     (2)   Figures to the right indicate full marks.

1.   What is Computer ? Explain applications of Computer and I/O devices. 15

Or

(*a*)   Explain concept of Analysis of algorithm with example.   8

(*b*)   Write an algorithm to calculate factorial of a number.   7

2.   What is flowchart ? Write algorithm to find the maximum from array and also draw flowchart for the same algorithm.   15

Or

(*a*)   Explain concept of Top Down design.   8

(*b*)   Write an algorithm for summation of numbers from 1 to 20.   7

P.T.O.

3. Write short notes on the following (any *two*) : 10

   (*a*)   Classification of computer

   (*b*)   Flowchart symbols

   (*c*)   Types of Memory

   (*d*)   Array.