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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.

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