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**X—172—2019**

**FACULTY OF SCIENCE AND TECHNOLOGY**

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

**OCTOBER/NOVEMBER, 2019**

**(CBCS/New Pattern)**

**COMPUTER SCIENCE**

**Paper I**

**(Programming Logic Concepts)**

**(Tuesday, 26-11-2019)**

**Time : 10.00 a.m. to 12.00 noon**

*Time—2 Hours*

*Maximum Marks—40*

*N.B. :— (i) Attempt All questions.*

*(ii) Illustrate your answers with suitable labelled diagram wherever necessary.*

1. Define flow chart ? Explain different symbols used in flow chart. Draw the flow chart for summation of set of numbers. 15

*Or*

(a) Explain Generation of Computer. 7

(b) Write an algorithm to exchange the values of two variables. 8

2. Define Array. Explain memory representation of array. Write an algorithm for array order reversal. 15

*Or*

(a) Write an algorithm for generation of Fibonacci sequence. 8

(b) Explain the different types of memory. 7

P.T.O.

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

- (a) Output device
- (b) Problem solving aspects
- (c) Algorithm for reverse the digits
- (d) Babble soft.