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GA—385—2023

FACULTY OF SCIENCE

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

APRIL/MAY, 2023

(New Pattern)

COMPUTER SCIENCE

Paper I

(Programming Logic Concepts)

(Wednesday, 31-5-2023)

Time : 10.00 a.m. to 12.00 noon

Time—2 Hours

Maximum Marks—40

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

(ii) Figures to the right indicate full marks.

1. What is Computer ? Explain architecture of computer with brief description about all parts. 15

Or

(a) Explain concept of efficiency of algorithm with example. 8

(b) Write an algorithm to reverse the digits of a number. 7

2. What is flowchart ? Explain any six flowchart symbols with example. 15

Or

(a) Explain concept of Top Down design. 8

(b) Write an algorithm to generate Fibonacci sequence. 7

P.T.O.

WT

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

(a) Applications of computer

(b) Number systems

(c) Types of memory

(d) Analysis of algorithm.