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SB—497—2022

FACULTY OF SCIENCE

B.Sc. (First Semester) EXAMINATION

JUNE/JULY, 2022

(New Pattern)

COMPUTER SCIENCE

Paper-I

(Programming Logic Concept)

(Tuesday, 12-7-2022)

Time : 10.00 a.m. to 12.30 p.m.

Time— 2½ Hours

Maximum Marks—40

N.B. :— (i) All questions are compulsory.

(ii) Figures to the right indicate full marks.

1. Explain classification of computer ? 15
Or
 - (a) What is flow chart ? Explain purpose of symbol. 8
 - (b) Explain implementation of Algorithm. 7
2. Write an Algorithm for generating factorial computation and fibonacci sequence. 15
Or
 - (a) Write an algorithm for binary search. 8
 - (b) Write an algorithm for generating a prime number. 7
3. Write short notes on any *two* : 10
 - (a) Plotter;
 - (b) Top down design;
 - (c) Algorithm for summation of set of number;
 - (d) Sorting by exchange.