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PA—325—2024

FACULTY OF SCIENCE AND TECHNOLOGY

B.Sc. (Second Year) (Third Semester) EXAMINATION

APRIL/MAY, 2024

(New Pattern)

COMPUTER SCIENCE

Paper–VII

(Programming in C++)

(Saturday, 11-05-2024)

Time : 2.00 p.m. to 4.00 p.m.

Time—2 Hours

Maximum Marks—40

- N.B. :—** (i) All questions are compulsory.
(ii) Figures to the right indicate full marks
(iii) Assume suitable data, if necessary.

1. What is OOPs ? Explain basic concept of OOPs. 15

Or

(a) Explain decision-making statement in detail. 8

(b) Write a C++ program to calculate a factorial of given integer number.

7

P.T.O.

2. What is function ? Explain call by value and call by reference with example.

15

Or

(a) Explain static data member with example. 8

(b) Write a C++ program to create a student class and show student information like—Rollno, Student Name, Student Class, Student Subject, Student Result. 7

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

(a) Structure of C++

(b) Operators in C++

(c) Constructor

(d) Friend Function.