NA—325—2023

FACULTY OF SCIENCE AND TECHNOLOGY

B.Sc (Third Semester) EXAMINATION

NOVEMBER/DECEMBER, 2023

(New Pattern)

COMPUTER SCIENCE

Paper-VII

(Programming in C++)

(Thursday, 28-12-2023)   **Time : 2.00 p.m. to 4.00 p.m.**

Time—2 Hours   *Maximum Marks—40*

N.B. :— (1)   Attempt *all* questions.

(2)   Figures to the right indicate full marks.

1.   What is OOPs ? Explain difference between Top-down and Bottom-up approach

of language.   15

Or

(*a*)   Explain function with call by reference.   8

(*b*)   Write a program on scope resolution operator.   7

2.   What is Constructor ? Explain different types of constructor with

example.   15

Or

(*a*)   Explain static member function.   8

(*b*)   Explain multiple inheritance.   7

P.T.O.

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

    (*a*) Application of OOPs

    (*b*) Destructor

    (*c*) Friend function

    (*d*) Default arguments.