NA—326—2023

FACULTY OF SCIENCE AND TECHNOLOGY

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

NOVEMBER/DECEMBER, 2023

(New/CBCS Pattern)

COMPUTER SCIENCE

Paper-IX

(Programming in Java)

(Friday, 29-12-2023)   **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.

       (3) Assume suitable data, if necessary.

1. What is JVM ? Explain Java program structure with example.   15

Or

(*a*) Explain symbolic constant.   8

(*b*) Write a program in Java to find factorial of a given number.   7

2. What is method overloading ? Explain final variable and methods.   15

Or

(*a*) What is Array ? Explain arrays in detail.   8

(*b*) Explain Java API package.   7

P.T.O.

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

    (*a*) Java and Internet

    (*b*) Command Line Argument

    (*c*) Overriding method

    (*d*) Interface.