This question paper contains **2** printed pages]

# 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.