I/99—22   Roll No. ....

Annual Examination, 2022

B.C.A. Part III

B.C.A.-302

(New Course)

Paper II

(Programming in Java)

Time : 3 Hours]   [Max. Marks : 80

Note : *Attempt any two parts from each unit. All questions carry equal marks.*

Unit-I

1. (a) Define Java ? Explain the features of OOP ?

   (b) Write a brief note on nested and inner class ?

   (c) Differentiate between string and string Buffer class with example ?

Unit-II

2. (a) Discuss the operators of Java ?

   (b) Explain the selection statements with example.

   (c) Write a Java program to multiply two square matrices.

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Unit-III

3. (a) Write a Java program to demonstrate method overloading.

   (b) Explain inheritance in Java with example.

   (c) Discuss the use of this ( ) and super ( ) with example.

Unit-IV

4. (a) Define package ? Explain the importance of package in Java with example.

   (b) Discuss the local class with example.

   (c) Describe the use of try and catch statements with suitable example.

Unit-V

5. (a) Define thread ? Discuss the thread priorities with example.

   (b) Write a Java program to read and write record from file.

   (c) Write a brief note on JDBC.

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