Roll No. ....

DD–2874

B. C. A. (Part III) EXAMINATION, 2020

Paper Fourth

PROGRAMMING IN JAVA

Time : Three Hours

Maximum Marks : 100

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

Unit—I

1. (a) Write the structure of a Java Program.

   (b) Explain the concept of two-dimensional arrays in Java.

   (c) What are Java Tokens ? Explain its various types in brief.

Unit—II

2. (a) What is the importance of CLASSPATH ? Discuss.

   (b) What is the difference between a class and an interface ? Explain.

   (c) Write a program to find the transpose of a given matrix.

Unit—III

3. (a) Write a program that demonstrate the priority setting in threads.

   (b) What is a thread ? Discuss about creation of threads.

   (c) What is the purpose of exception handling mechanism ?

Unit—IV

4. (a) Explain the types of drivers used in JDBC.

   (b) Discuss about standard java packages in Java.

   (c) What is URL connection ? Explain its working principle in detail.

Unit—V

5. (a) Describe about various components in AWT.

   (b) Write an applet program to handle all mouse events.

   (c) What is an applet ? Explain the applet life cycle with the help of an example.