Roll No. ....

Y – 3642 (A)

B.C.A. (Fourth Semester) (SPECIAL) EXAMINATION,

August 2021

(SECOND CHANCE)

Paper – BCA 405

PROGRAMMING IN JAVA

Time : Three Hours

Maximum Marks : 80   *Minimum Pass Marks : 32*

Note—Attempt *all* questions.

Unit-I

1. (a) Explain JDK and virtual machine in java.   8
   (b) Write a program to find the largest number in java.   8

Unit-II

2. (a) What is interface ? Explain extending interface and implementing interface
       with proper example.   8
   (b) Write short notes on—   8
       (i) System package and user define package.
       (ii) Method overriding.

Unit-III

3. (a) Write short note on string buffer and string builder.   8
   (b) Explain collection framework (list and queue) in detail.   8

Unit-IV

4. Write short notes on (any *three*)—   16
   (i) Thread communication.
   (ii) Multithreading.
   (iii) Life cycle of thread.
   (iv) Synchronization.
   (v) Thread exception.

Unit-V

5. Explain the working of AWT ? Write a program to draw arcs, polygons, and
   rectangle.   16

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