## 3231

# B. Tech. 5th Semester (CSE)
# Examination – March, 2021

### PROGRAMMING IN JAVA

#### Paper : PCC-CSE-309-G

*Time : Three Hours ]*      *[ Maximum Marks : 75*

*Before answering the questions, candidates should ensure that they have been supplied the correct and complete question paper. No complaint in this regard, will be entertained after examination.*

*Note :* Attempt *five* questions in all, selecting *one* question from each Unit. Question No. 1 is *compulsory*. All questions carry equal marks.

1. (a) Array.

   (b) Class and method.

   (c) How dead Thread can be restored ?

   (d) What is difference between yielding and sleeping ?

   (e) Explain standard data types in Java.

   (f) IO applets.        $2.5 \times 6 = 15$

## UNIT – I

2. (a) Define Inheritance. Explain types of inheritance in Java. How can we implement Multiple inheritance in Java with example.  10

   (b) Define type casting in Java.  5

3. (a) Explain the structure of JVM.  8

   (b) Explain Static method, Static variable and block in detail with example.  7

## UNIT – II

4. (a) Describe polymorphism with help of example.  8

   (b) Compare features of Java with C++.  7

5. (a) Create a program in Java to implement method overriding.  10

   (b) Define wrapper classes in Java.  5

## UNIT – III

6. (a) What is applet ? Explain life cycle of applet.  8

   (b) Create class Package and then create an instance of your own class outside the package.  7

7. (a) Explain the concept of thread in Java. Explain with suitable example.  8

   (b) What is exception handling in Java. Explain with suitable example.  7

## UNIT – IV

8. (a) Describe and design JDBC.  7

   (b) Explain concept the JDBC programming concept in detail.  8

9. Write notes on :  15

   (a) Query execution

   (b) Features of Java 9

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