

Roll No.

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 × 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