QP CODE: 25016879

25016879

Reg No : .....

Name : .....

B.Sc DEGREE (CBCS) SPECIAL REAPPEARANCE EXAMINATIONS, FEBRUARY 2025

Fifth Semester

CORE COURSE - CS5CRT14 - JAVA PROGRAMMING USING LINUX

Common to B.Sc Computer Applications Model III Triple Main, B.Sc Computer Science Model III, B.Sc Information Technology Model III & Bachelor of Computer Application

2022 Admission Only

FBD69C1B

Time: 3 Hours Max. Marks : 80

Part A

*Answer any **ten** questions.*

*Each question carries **2** marks.*

1. List out different API packages.
2. Explain the use of break statement.
3. How will you access class members using objects?
4. What is constructor overloading?
5. Why multiple inheritance is not supported in Java?
6. What is two dimensional array?
7. List down the Java API packages.
8. Why swing component are called lightweight components?
9. Define ComponentEvent Class.
10. Define JTextField.
11. Differentiate applet with applications.
12. Write note on JDBC-ODBC Bridge driver.

(10×2=20)

Part B

*Answer any **six** questions.*

*Each question carries **5** marks.*

13. Write short note on OOP concepts.

14. Write a Java program to find the smallest among 3 numbers.

15. How will you declare metnods in Java?

16. Write a Java program to create an abstract class named Shape that contains a method numberOfSides().Provide three classes Trapezoid, Triangle and Hexagon such that each one of the classes contains only the method numberOfSides() that displays the number of sides for the given geometrical figure.

17. How do you create & initialize a one dimensional array in Java?

18. Write a Java program to demonstrate thread priorities.

19. Develop a program to implement mouseClicked() method using MouseAdapter class.

20. How parameters can be passed to applet using tags?

21. Briefly explain drawPolygon() and fillPolygon() methods with suitable examples.

(6×5=30)

Part C

*Answer any **two** questions.*

*Each question carries **15** marks.*

22. Illustrate the use of different operators in Java.

23. Diffrentiate final methods ans final classes with examples.

24. Explain in detail about the excepion handling mechanism with approprite syntax & examples.

25. Explain different Layout Managers.

(2×15=30)