

TB243593M

07.20.11

Reg. No :

Name :

BACHELOR'S DEGREE (C.B.C.S) EXAMINATION, NOVEMBER 2024

2023 ADMISSIONS REGULAR

B.C.A SEMESTER III - CORE COURSE

BC3C08B23 - Programming in Java

Time : 3 Hours

Maximum Marks : 80

Part A

I. Answer any Ten questions. Each question carries 2 marks

(10x2=20)

1. Define Abstraction in java.
2. Define bit wise operators.
3. Explain the use of "this" keyword.
4. Explain Recursion.
5. Differentiate SQL and IO exceptions in java programming.
6. Explain try, catch, throw, & finally.
7. Define multithreading in Java.
8. Identify the methods to run multithread program in Java. Briefly Explain.
9. Identify the basic components of JDBC.
10. How to implement Exception Handling in JDBC Connection?
11. Write the disadvantages of Native API Driver.
12. Define JDBC Driver.

Part B

II. Answer any Six questions. Each question carries 5 marks

(6x5=30)

13. Explain break and continue statement in java with the help of examples.
14. Write a Class program to demonstrate the difference between public and private access specifiers in java.
15. Define a class. Explain nested and inner classes.
16. Define static keyword. What is the use of static keyword?
17. Write down java built-in exceptions and its descriptions.
18. Write a java program to implement the concept of threading by extending Thread Class.
19. Explain transient and volatile modifiers.
20. Explain Type 1 -JDBC ODBC Driver with the help of a diagram.
21. Explain the data manipulation using JDBC connectivity.

Part C

III. Answer any Two questions. Each question carries 15 marks

(2x15=30)

22. Explain various Operators in java with the help of a program.
23. Write an essay about Constructors in java with the help of examples.
24. Write an essay about Exception Handling in Java with the help of Simple Interest calculation program.(Hint
S.I=PRT/100)
25. Write a Java Program to demonstrate the Mouse events.