TB243378J

Reg. No :.....

Name :.....

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

2023 ADMISSIONS REGULAR

B.Sc SEMESTER III - CORE COURSE Computer Applications

CA3C05B23 - Java Programming

Time : 3 Hours **Maximum Marks : 80**

Part A

I. Answer any Ten questions. Each question carries 2 marks **(10x2=20)**

1. Explain Byte code in java.
2. Explain memory management feature in java.
3. Why main() method in java is declared as static?
4. What are the uses of keyword 'final'?
5. Write syntax for creating an object in a class.
6. Discuss Method Overloading.
7. Explain String conversion and toString () Method.
8. Discuss Uncaught Exception.
9. What is Swing?
10. Explain JTextField.
11. When does the result of an SQL statement return NULL?
12. Expand JDBC.

Part B

II. Answer any Six questions. Each question carries 5 marks **(6x5=30)**

13. Explain how to declare , instantiate, initialize and use one dimensional array.
14. Explain compile time polymorphism
15. Discuss Nested Class in detail.
16. What is the difference between equals () and = = ?
17. Discuss , How an interface can be inherited?
18. What are different types of Resultset?
19. Explain the function an Adapter Class , How it is different from Event Listener Class?
20. Explain basic steps in writing java program using JDBC.
21. Explain Type-4 driver or Thin driver.

Part C

III. Answer any Two questions. Each question carries 15 marks **(2x15=30)**

22. What is constructor in java? Explain different versions of constructors in Java language.
23. Explain synchronization. Describe methods used to establish inter thread communication in java
24. Discuss delegation event model in java with program illustration.
25. With a Neat diagram explain JDBC architecture and the steps to connect with Database.