

TB245691E

Reg. No :

Name :

**BACHELOR'S DEGREE (C.B.C.S.) EXAMINATION, FEBRUARY 2024
2021 ADMISSIONS SUPPLEMENTARY (SAY)
SEMESTER V - CORE COURSE (COMPUTER APPLICATIONS)
CA5B10B18 - Java Programming Using Linux**

Time : 3 Hours

Maximum Marks : 80

Part A

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

(10x2=20)

1. Explain JIT Compiler.
2. Explain memory management feature in java.
3. Why main() method in java is declared as static?
4. Explain state and behaviour of an object.
5. Write syntax for creating an object in a class.
6. What is the difference between instance and static variables?
7. Explain the difference between length() and capacity() in String.
8. How can we compare 2 strings?
9. Explain Frame class.
10. Explain JList.
11. How will you initialize an applet?
12. What is a connection in JDBC?



Part B

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

(6x5=30)

13. Explain nested switch statement.
14. What is the difference between method overriding and overloading?
15. Explain instance variable and method.
16. Discuss Access Protection in packages.
17. Explain throw and throws keyword in Exception.
18. Explain AWT Event Hierarchy.
19. Discuss Key Event Class and its methods
20. Discuss Advantages of Applet programming over Application Program.
21. What are different types of statements in JDBC?

Part C

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

(2x15=30)

22. Discuss with program implementation different operators in Java Programming.
23. Explain how java handles exception. What are different exception handling keywords in java.
24. Design a java program to create login form using JAVA SWING Components? Explain Label, Button And Text Field Controls in JAVA SWING
25. Explain JDBC Architecture and its components with a neat diagram.