

**TB214615W**

**Reg. No : .....**

**Name : .....**

**B. Voc. DEGREE (C.B.C.S.) EXAMINATION, MARCH 2023**

**(2021 Admissions Regular, 2020 Admissions Supplementary / Improvement, 2019 & 2018 Admissions Supplementary)**

**SEMESTER IV - SKILL (SOFTWARE DEVELOPMENT)**

**VSD4S05B18 - PROGRAMMING IN JAVA**

**Time : 3 Hours**

**Maximum Marks : 80**

**Part A**

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

**(10x2=20)**

1. What is an identifier?
2. Explain Command Line Arguments in java.
3. What is down casting?
4. Explain state and behaviour of an object.
5. Write the effects of access specifiers in variables and methods.
6. Describe the syntax of declaring a class in java programming.
7. Explain substring in java String class.
8. Explain charAt() and getCharAt().
9. Explain JTextField.
10. What is a JWindow?
11. Define Prepared Statement.
12. Differentiate between paint () and repaint().

**Part B**

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

**(6x5=30)**

13. What is precedence and associativity in relation with operator?
14. Explain instance variable and method.
15. Discuss access protection with packages in java.
16. Explain about the life cycle of a thread with a neat diagram.
17. What is the importance of alive () and join () method?
18. What are 2 types of Mouse Event Listener?
19. With an example explain the use of anonymous inner class to handle events.
20. Discuss Advantages of Applet programming over Application Program.
21. Explain parameter passing in Applet Programming.

**Part C**

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

**(2x15=30)**

22. Discuss different control structures in java.
23. Explain synchronization. Describe methods used to establish inter thread communication in java
24. Discuss different Layout manager in AWT with diagram.
25. Explain different JDBC drivers in Java.