B. Sc. DEGREE (C.B.C.S.) EXAMINATION, NOVEMBER 2022
2020 ADMISSIONS REGULAR AND 2019, 2018 ADMISSIONS SUPPLEMENTARY
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. How does java achieve portability?

3. Define Variable.

4. Explain Multilevel Inheritance .

5. Explain state and behaviour of an object.

6. How can a sub class call a super class?

7. What is Runtime Exception?

8. Can a catch block be overloaded, Explain.

9. Explain JRadioButton.

10. Explain Checkbox Group control.

11. When does the result of an SQL statement return NULL?

12. How will you initialize an applet?

Part B

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

13. What is Lexical issues in java ?

14. What are restrictions on static methods?

15. Explain parameterised constructors in Java.

16. Differentiate between String and StringBuffer Class.

17. Describe life cycle of thread.

18. Differentiate between List and Choice.

19. Differentiate between JTextField and JTextArea.

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 synchronization. Describe methods used to establish inter thread communication in java

24. Discuss Keyboard and Mouse Event handling in Java event handling mechanism.

25. Explain Applet code structure and Parameter passing .