

21U571

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Name: .....

Reg.No: .....

**FIFTH SEMESTER B.Sc./B.C.A. DEGREE EXAMINATION, NOVEMBER 2023**

(CBCSS - UG)

(Regular/Supplementary/Improvement)

**CC19U BCS5 B08 / CC19U BCA5 B08 - JAVA PROGRAMMING**

(Computer Science / Computer Application - Core Course)

(2019 Admission onwards)

Time : 2.00 Hours

Maximum : 60 Marks

Credit : 3

**Part A** (Short answer questions)

Answer *all* questions. Each question carries 2 marks.

1. Define the term encapsulation.
2. What are the features OOPs?
3. What do you mean by bytecode in Java?
4. What are literals? Give any two examples.
5. How to create Array in java? Write an example.
6. Write about inner class and nested class in java.
7. Explain file class in java.
8. How to create a thread?
9. What do you mean by exception?
10. Differentiate throw and throws.
11. List the different JDBC Driver.
12. What do you mean by AWT?

**(Ceiling: 20 Marks)**

**Part B** (Short essay questions - Paragraph)

Answer *all* questions. Each question carries 5 marks.

13. Compare and contrast object oriented programming and procedure oriented programming.
14. What is JDBC? Explain.
15. Explain Result Set Meta Data interface.
16. Explain applet skeleton.
17. Discuss the role of Adapter in event handling.

18. List and explain the various AWT controls.
19. Explain 1) Checkbox 2)TextArea 3) Button

**(Ceiling: 30 Marks)**

**Part C (Essay questions)**

Answer any *one* question. The question carries 10 marks.

20. What are interfaces? How interfaces can be inherited in java?
21. What are the advantages of multithreading? Explain thread synchronization with suitable example.

**(1 × 10 = 10 Marks)**

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