

FIFTH SEMESTER B.Sc./B.C.A. DEGREE EXAMINATION, NOVEMBER 2025

(CBCSS - UG)

(Regular/Supplementary/Improvement)

CC19UBCS5B08 / CC19UBCA5B08 - 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. What is Procedural Programming?
2. Define Polymorphism.
3. List out the object oriented programming features.
4. What is Buffered Reader?
5. What is a thread?
6. What is thread synchronization?
7. What is Exception? Give any 2 examples.
8. Differentiate throw and throws.
9. Define Statement interface.
10. What is an applet? What are the attributes of Applet tags?
11. What is the use of AWT?
12. What are the different AWT Container classes?

(Ceiling: 20 Marks)**Part B (Short essay questions - Paragraph)**Answer ***all*** questions. Each question carries 5 marks.

13. Write a java program to check whether the given no is prime or not.
14. What are arrays? Discuss how one and two dimensional arrays are initialized in java.
15. Write Java program to add two complex numbers using object and class.
16. Explain interfaces in Java.

17. What is JDBC? Explain.
18. How to connect Database? Explain.
19. Discuss the role of Adapter in event handling.

(Ceiling: 30 Marks)

Part C (Essay questions)

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

20. What are the various control statements in Java? Demonstrate.
21. What is mean by Layout manager? Discuss different Layout managers available in awt.

(1 × 10 = 10 Marks)
