

QP CODE

H1151

Enrollment Number:

Name:

B.C.A DEGREE EXAMINATIONS, MARCH 2026

Third Semester

B.C.A

B21CA01SE – Programming in Java

(2024 July admissions)

Time: 3 Hours

Max Marks: 70

Section A

Answer any ten of the following questions in a word or sentence each. Each question carries 1 mark.

1. Expand IDE.
2. Name the two numeric data types.
3. Which operator in Java is used to calculate the remainder?
4. Define object in Java.
5. What is an array?
6. What is an interface?
7. Mention about Method overloading.
8. What is final keyword?
9. What is StringBuffer?
10. State the purpose of the *throw* keyword in Java.
11. Define Multithreading.
12. Write the definition of Runnable interface.
13. What is an applet?
14. What is an event listener in Java?
15. Which Java package contains the classes and interfaces for JDBC?

(1X10=10)

Section B

Answer any five of the following questions in two or three sentences each. Each question carries 2 marks.

16. Why is Java called platform independent?
17. What are access specifiers?
18. Define packages in Java with example.
19. Differentiate between an Abstract Class and an Interface in Java.

20. Briefly explain the different ways to compare strings in Java.
21. Explain the steps involved in creating and starting a thread in Java with an example
22. What is delegation event model?
23. Define JDBC driver.
24. Explain start() method in thread.
25. Describe the concept of Method overriding in Java.

(2X5=10)

Section C

Answer any five of the following questions in one page each. Each question carries 4 marks.

26. Explain Java data types.
27. Describe constructors with types.
28. Write a Java program to read and print 10 integers.
29. Explain abstraction in Java.
30. Explain the different types of operators in Java with examples.
31. Explain any four common methods used for string manipulation in Java.
32. Write a short note on different types of exceptions in Java.
33. What is multitasking in Java? Explain its types and list any two benefits of multithreading.
34. Explain event handling in Java.
35. What are RowSet objects in Java? Explain any four types of RowSet objects with their uses.

(4X5=20)

Section D

Answer any two of the following questions in three pages each. Each question carries 15 marks.

36. What are constructors? How do they differ from ordinary methods? Illustrate the concept with examples.
37. Explain the concept of inheritance and its types in Java.
38. Write an essay on exception handling in detail with examples.
39. Explain JDBC connectivity steps with program.

(15X2=30)