



NOVEMBER/DECEMBER 2018

**BCA31 — JAVA PROGRAMMING**

Time : Three hours

Maximum : 75 marks

**SECTION A — (10 × 2 = 20 marks)**

Answer ALL questions.

1. Define the term object.
2. What is Constructor?
3. Define the term Polymorphism.
4. What is an Interface?
5. State the use of `trim()` method.
6. Define the term Multitasking.
7. What is Applet?
8. Mention the two ways to create a Swing program.
9. How does JDBC differ from ODBC?
10. Define the term – Pure Java driver.

SECTION B — (5 × 5 = 25 marks)

Answer ALL questions.

11. (a) Write a short note on Integer and Floating-point Constants.

Or

- (b) Explain the syntax of “switch” statement with example program.

12. (a) Discuss on Abstract classes.

Or

- (b) Describe the Multiple Inheritance concept with an example.

13. (a) What are the ways to handle Exceptions? Explain.

Or

- (b) Explain the life cycle of a Thread.

14. (a) Describe the fundamentals of Applet.

Or

- (b) Discuss on Border control component with example program.

15. (a) Write the steps in developing JDBC applications.

Or

- (b) Give an overview of “resultset” Metadata interface.

SECTION C — (3 × 10 = 30 marks)

Answer any THREE questions.

16. Discuss on the syntax of while, do-while and for loop statements with examples.

17. Describe the features and method of creating and using Arrays.

18. Explain the various String methods with examples.

19. Describe the key concepts of AWT.

20. Discuss on the different types of JDBC drivers.

