

19. Discuss some important differences between an applet and a standalone java application.
20. Discuss in detail about creating, JDBC application and import JDBC packages.

NOVEMBER/DECEMBER 2018

**BSC31 — JAVA PROGRAMMING**

Time : Three hours

Maximum : 75 marks

SECTION A — (10 × 2 = 20 marks)

Answer ALL questions.

1. What do you mean by Object?
2. List two java IDE's.
3. Write the syntax for declaring variable in array.
4. What is Abstraction?
5. Difference between throw and throws.
6. How can a dead thread be restarted?
7. What is an Applet?
8. What is the difference between the paint ( ) and repaint ( ) methods?
9. What is the ultimate goal of JDBC?
10. Mention the four types of JDBC drivers.



SECTION B — (5 × 5 = 25 marks)

Answer ALL the questions.

11. (a) List any five features of Java.

Or

- (b) Explain

- (i) Local variable
- (ii) Instance variable
- (iii) Class variable.

12. (a) Discuss about calling the Superclass constructor in Java.

Or

- (b) Explain in detail about :

- (i) Single inheritance
- (ii) Multi level inheritance.

13. (a) Write short notes on string class in java with suitable example.

Or

- (b) Give the difference between String Buffer and String Builder.

14. (a) Explain in detail about process-based multitasking with suitable example.

Or

- (b) Create an instance of Frame class showing a button component in the frame using simple AWT.

15. (a) Write short notes on JDBC-ODBC bridge driver with suitable diagram.

Or

- (b) Explain brief about the JDBC architecture with diagram.

SECTION C — (3 × 10 = 30 marks)

Answer any THREE questions.

16. Discuss in detail about :

- (a) Java Identifiers and its characteristics
- (b) Java Modifiers.

17. Discuss in detail about the rules for method overriding.

18. Explain in detail about :

- (a) Thread
- (b) Multithreading
- (c) Multitasking.