

APRIL/MAY 2019

**BSC31 — JAVA PROGRAMMING**

Time : Three hours

Maximum : 75 marks

**SECTION A — (10 × 2 = 20 marks)**

Answer ALL questions.

1. Define class.
2. What kind of variables a class can consist of?
3. What is Abstract class?
4. What is Encapsulation?
5. What is the difference between yielding and sleeping?
6. When Arithmetic Exception is thrown?
7. What is the difference between the paint( ) and repaint( ) methods?
8. What is the difference between Swing and AWT components?
9. What is JDBC Driver?
10. Which driver is thin driver in JDBC?





SECTION B — (5 × 5 = 25 marks)

Answer ALL questions.

11. (a) Discuss  
(i) Platform Independent  
(ii) Multithreaded.

Or

- (b) Mention any five features of Java Programming.
12. (a) Write short note on Polymorphism with suitable example.

Or

- (b) Explain in detail about calling the Superclass Constructor in Java.
13. (a) Write short notes on String Buffer Class in Java with suitable example.

Or

- (b) Discuss about the Methods of String Tokenizer in Java.
14. (a) Discuss about any five differences between an applet and a standalone Java application.

Or

- (b) Explain in detail about Process-based multitasking with suitable example.

15. (a) Write short notes on Native-API driver with suitable diagram.

Or

- (b) Explain briefly about the Common JDBC Components.

SECTION C — (3 × 10 = 30 marks)

Answer any THREE questions.

16. Explain

- (a) While  
(b) For  
(c) Do....while

17. Discuss in detail about different types of inheritance in Java.

18. Give brief account on Threading and Multithreading. Mention their advantages.

19. Discuss the Life Cycle of an Applet with suitable example.

20. Explain

- (a) Creating JDBC Application  
(b) Import JDBC Packages.

