

S.No. 8217

**16 SCCCA 3/16 SCCCS 3/
16 SCCIT 4**

(For candidates admitted from 2016–2017 onwards)

**B.C.A./B.Sc. DEGREE EXAMINATION,
NOVEMBER 2022.**

**Part III — Computer Applications/Computer
Science/Information Technology – Major**

PROGRAMMING IN JAVA

Time : Three hours

Maximum : 75 marks

PART A — (10 × 2 = 20)

Answer ALL questions.

1. What is OOPs?
2. Is Java case sensitive? What is meant by case sensitive?
3. What are Primitive data types?
4. Differentiate break and continue statements.
5. What is the difference between superclass and subclass?
6. Give any two example for Java built-in packages.

7. What are the states associated in the thread?
8. Write the usages of the wait(), and notify All() methods.
9. What is meant by Byte Stream Classes?
10. What is an applet?

PART B — (5 × 5 = 25)

Answer ALL questions, choosing either (a) or (b).

11. (a) Discuss the features of Java.
Or
(b) Discuss how java is differs from C++.
12. (a) Discuss briefly the operators used in Java programming with example.
Or
(b) Explain the character extraction string operations with methods.
13. (a) How to declare an interface, write syntax? Explain with example.
Or
(b) What are access modifiers in JAVA? Explain with example.

14. (a) Explain the constructors and methods in throwable class with example.
Or
(b) What is Thread priorities and Thread scheduling? Explain.
15. (a) Explain the reading/writing characters and bytes of data using Stream.
Or
(b) What is the lifecycle of an applet? Explain.

PART C — (3 × 10 = 30)

Answer any THREE questions.

16. Explain the following :
(a) Difference between OOP and Procedural Oriented Language.
(b) Java source file structure.
17. Discuss the various control statements in Java language.
18. Explain the procedure to implement the packages.
19. Explain the basics of an exception handing with example code.
20. Explain briefly about the operations of Random Access Files.