



QP CODE: 25021713



25021713

Reg No :

Name :

B.VOC DEGREE REGULAR/REAPPEARANCE EXAMINATIONS, MARCH 2025

Sixth Semester

B.Voc Software Quality Assurance and Quality Control

SQACS603 - JAVA PROGRAMMING

2018 Admission Onwards

5604A577

Time: 3 Hours

Max. Marks : 80

Part A

*Answer any **ten** questions.*

*Each question carries **2** marks.*

1. What is Encapsulation?
2. What is the use of the 'instanceof' operator?
3. What is a constructor?
4. What are access modifiers?
5. Explain the 'try' and 'catch' blocks.
6. What is the purpose of the try block?
7. How do you manually throw an exception?
8. What is a KeyEvent?
9. What is the root class of the Java event class hierarchy?
10. Name two types of adjustment events.
11. What is SHIFT_MASK?
12. What is UNIT_DECREMENT?

(10×2=20)

Part B

*Answer any **six** questions.*

*Each question carries **5** marks.*

13. Describe the importance of Java Packages.
14. Explain the difference between 'equals()' and '==' operator.
15. Explain the 'final' keyword and its uses in Java.
16. Explain the concept of extending interfaces with an example.
17. Write a program to demonstrate thread synchronization.
18. Explain the FocusEvent class and its constructors.
19. Explain User Defined Packages with examples.
20. Explain how to handle exceptions using try and catch blocks with an example.
21. Write a program to implement the concept of exception handling using finally.

(6×5=30)

Part C





*Answer any **two** questions.
Each question carries **15** marks.*

22. Write a Java program to implement Multithreading. Explain the working of Threads and Synchronization.
23. Describe exception handling in Java in detail. Provide examples for checked and unchecked exceptions.
24. Explain interface-based design in Java with real-world examples.
25. What is event-driven programming? Explain the Java Delegation Event Model. Describe the roles of event sources and event listeners. Explain the different event classes and their functions.

(2×15=30)

