



QP CODE: 25050593



25050593

Reg No :

Name :

MSc DEGREE (CSS) EXAMINATION DECEMBER 2025

First Semester

Core Courses - CA500102 - ADVANCED JAVA PROGRAMMING

M Sc COMPUTER SCIENCE, MSc INFORMATION TECHNOLOGY

2019 Admission Onwards

AE2C4F10

Time: 3 Hours

Weightage: 30

Part A (Short Answer Questions)

*Answer any **eight** questions.*

Weight 1 each.

1. What is the significance of Bytecode?
2. What is polymorphism?
3. What are the uses of "final" keyword in java?
4. Describe indexOf() method.
5. What are run time exceptions in Java? Give examples.
6. Does thread leave object lock when wait() and sleep() methods are called?
7. How can we represent different mouse events?
8. What are the different constructors of JCheckBox class in Java?
9. What are the constructors used to create File objects?
10. Describe Datagram and Datagram socket.

(8×1=8 weightage)

Part B (Short Essay/Problems)

*Answer any **six** questions.*

Weight 2 each.

11. Compare if statement and ternary operator.
12. Write short note on arrays in Java.
13. Explain constructor overloading with a suitable example.
14. Explain different methods of OutputStream class.
15. Describe the life cycle of a thread. Explain thread priority?





16. Explain different ways of creating thread with sample program in Java?
17. What is an event? What are different Event Classes?
18. Explain TCP/IP Client Sockets.

(6×2=12 weightage)

Part C (Essay Type Questions)

*Answer any **two** questions.*

Weight 5 each.

19. What is an interface? Write a program to implement an interface.
20. Describe package in Java? Write sample programs to demonstrate the creation and use of packages?
21. Explain different layout managers. What are the different steps involved in Layout management?
22. (A) Explain Networking Classes and Interfaces. (B) Describe different methods in HttpURLConnection class.

(2×5=10 weightage)

