

KAMARAJ COLLEGE (Autonomous)

Accredited with A+ Grade by NAAC

(Affiliated to Manonmaniam Sundaranar University, Tirunelveli)

THOOTHUKUDI – 628 003

(5 Pages)

Reg. No:

Question. Code No : 25001411

Sub Code : 24PMCA21

PG Degree - End Semester Examinations, November 2025

Second Semester

M.C.A.

Advanced Java Programming

(For those who joined in July 2024 onwards)

Time : 3 Hours

Maximum : 75 Marks

PART – A (10 × 1 = 10 Marks)

Answer ALL Questions

Choose the correct answer:

1. Which of these packages contain all the classes and methods required for event handling in java?

(a) Java .applet	(b) java.awt
(c) java .event	(d) java.awt.event
2. Which one of the following classes is used for connection-less socket programming?

- (a) DatagramSocket (b) DatagramPacket
(c) DatagramAddress (d) DatagramIP
3. Which package is used for Remote Method Invocation (RMI)?
(a) Java.lang.rmi (b) java.lang.reflect
(c) java.applet (d) java.rmi
4. Email programs and Web browsers are examples of the _____ component of distributed applications.
(a) User -interface (b) Database
(c) Server (d) RMI
5. Which of the following is advantage of using prepared statement in java?
(a) Slow performance
(b) Encourages SQL injection
(c) Prevents SQL injection
(d) More memory usage
6. The _____ method makes the insertions made permanent.
(a) rollback() (b) commit()
(c) executeQuery() (d) save()

(OR)

(b) Discuss about InetAddress class.

12. (a) What are the basic steps needed to develop and running RMI applications?

(OR)

(b) Write short notes on CORBA

13. (a) Discuss about the Driver Manager class.

(OR)

(b) Write short notes on Prepared Statement Interface

14. (a) Write the anatomy of a java servlet.

(OR)

(b) Discuss the methods in Cookie class.

15. (a) Write short notes on JSP tags.

(OR)

(b) Write in detail about JRadioButton.

PART - C (5 X 8 = 40 Marks)

Answer ALL Questions choosing either (a) or (b).

Answer should not exceed 600 words.

16. (a) Examine the methods used in life cycle of thread.

(OR)

(b) Illustrate various layout classes and layout manager interface with examples.

17. (a) Explain i) Object Serialization and RMI
ii) Java Spaces

(OR)

(b) Explain in detail about compiling and Running RMI program.

18. (a) How will you create a database using JDBC? Give example.

(OR)

(b) Explain the basic principles of JDBC

19. (a) Explain reading data from a client and reading the HTTP Request Header.

(OR)

(b) Explain sending data to a client and writing the HTTP Response Header.

20. (a) Explain about JAR

(OR)

(b) Justify the use of lists and combo boxes controls in swings.