



23/12/24 (AN)

Roll No.

--	--	--	--	--	--	--	--	--	--	--	--

ANNA UNIVERSITY (UNIVERSITY DEPARTMENTS)

B.E / B. Tech (Full Time) END SEMESTER EXAMINATIONS – NOV/ DEC 2024

DEPARTMENT OF ELECTRONICS & COMMUNICATION ENGINEERING

3rd SEMESTER

BM 5302 JAVA PROGRAMMING

TIME: 3 Hours

MAX. MARKS: 100

ANSWER ALL THE QUESTIONS

PART-A (10x2=20)

1. Define OOPS & its features
2. Draw the Java Runtime System
3. Explain Polymorphism & its types
4. Define Exception Handling, types & its advantages
5. Explain about Generic Collections
6. Define Serialization & its advantages
7. Define NFS & DNS
8. Explain about Address Resolution Protocols
9. Explain XML Parser
10. Explain about Querying Statements

PART-B (5x13=65)

11. a) Explain about Java its characteristics & Java Language Basics in detail (13)
(or)
b) Explain about Arrays, Classes and Objects, Strings in detail (13)

12. a) Explain Java Exception Hierarchy, Garbage Collection & Method finalize in detail (13)
(or)
b) Explain about Clone Class Implementation & Multithreading in detail (13)

13. a) Explain about Files & Streams, Object Concurrency in detail (13)
(or)
b) Explain about Java Utility Packages & Bit Manipulation in detail (13)

14. a) Explain Email, Telnet & FTP in detail (13)
(or)
b) Explain about WWW, URN, URI & URL in detail (13)

15. a) Explain about Java Applets, Swings & Remote Method Invocation in detail (13)
(or)
b) Explain the Java Servlets & its Architecture in detail (13)

PART-C (1x15=15)

16.i) Explain about Constructors & Destructors, Java API Packages in detail (8)
ii) Write a Java Program to initialize the elements of an array with an array initialize and also for calculating the values to be placed into the elements of an array. (7)

