

(FOR THE CANDIDATES ADMITTED

(NO. OF PAGES: 2)

24UIT412

DURING THE ACADEMIC YEAR 2024-2025 ONLY)

REG.NO.

N.G.M. COLLEGE (AUTONOMOUS) : POLLACHI

END-OF-SEMESTER EXAMINATIONS: MAY 2026

B.Sc. Information Technology

MAXIMUM MARKS: 75

SEMESTER IV

TIME : 3 HOURS

PART - III

ADVANCED JAVA PROGRAMMING

SECTION – A

(10 X 1 = 10 MARKS)

ANSWER THE FOLLOWING QUESTIONS.

(K1)

1. Which package contains the primary Swing components?
a) java.swing b) javax.swing c) java.awt.swing d) javax.awt
2. What is a JavaBean?
a) A special Java compiler b) A reusable software component written in Java
c) A Java database d) A web browser
3. What does JDBC stand for?
a) Java Database Component b) Java DataBase Connectivity
c) Java Development Connection d) Java Data Connection
4. JSP is mainly used for _____ -
a) Database creation b) Create Dynamic web pages c) Compiling Java d) Windows control
5. JSTL is mainly used in _____
a) Servlets b) Core Java c) JSP pages d) Applets

ANSWER THE FOLLOWING IN ONE (OR) TWO SENTENCES

(K2)

6. What is meant by JFC?
7. What is the use of Java JAR files?
8. Define Java Servlets
9. What is meant by Cookies?
10. What is the use of AJAX?

SECTION – B

(5 X 5 = 25 MARKS)

ANSWER EITHER (a) OR (b) IN EACH OF THE FOLLOWING QUESTIONS.

(K3)

11. a) Discover Java Swing Text Components.
(OR)
b) Narrate about Virtual Desktop Components in Java Swing.
12. a) Explain Java Beans and its advantages.
(OR)
b) Describe in detail about How to Use Java Bean Builder.

13. a) Relate JDBC – ODBC Relationship.
(OR)
b) List out the steps for Querying database with JDBC and Explain.
14. a) Describe about how to Get a client's address using Java Servlet.
(OR)
b) Articulate Scripting Elements in JSP.
15. a) Explain in detail about JSTL EL Support in Java.
(OR)
b) List out the Benefits of Using AJAX.

SECTION – C (5 X 8 = 40 MARKS)

ANSWER EITHER (a) OR (b) IN EACH OF THE FOLLOWING QUESTIONS.(K4 (Or) K5)

16. a) Illustrate Structure of a Swing Application in Java .
(OR)
b) Discuss about Java Swing Menu Components.
17. a) List out the steps for Developing a Simple Bean Using BDK and Explain.
(OR)
b) Correlate Java JAR Files and its uses.
18. a) Connect JDBC and its Architecture.
(OR)
b) Illustrate Java Servlets Architecture and Designing.
19. a) Discuss about Cookies in Java .
(OR)
b) Illustrate in detail about JSP Life Cycle.
20. a) Appraise AJAX and its Working Concepts.
(OR)
b) Illustrate the steps for Web Application development using Ajax.
