

FOR THE CANDIDATES ADMITTED  
DURING THE ACADEMIC YEAR 2021 ONLY)

REG.NO

NGM COLLEGE (AUTONOMOUS) POLLACHI  
END-OF-SEMESTER EXAMINATIONS: MAY-2023

B. Sc-Information Technology  
IV SEMESTER

MAXIMUM MARKS: 70  
TIME: 3 HOURS

PART III  
ADVANCED JAVA

SECTION – A (10 X1 = 10 MARKS)  
ANSWER THE FOLLOWING QUESTIONS  
MULTIPLE CHOICE QUESTIONS

1. Which one of the component is not in swing?  
(a) JButton (b) JLabel (c) JText (d) JDropdown
2. A \_\_\_\_\_ file allows you to efficiently deploy a set of classes and their associated resources in beans.  
(a) BDK (b) API (c) JAR (d) AWT
3. Thin driver is also known as\_\_\_\_\_  
(a) Type 3 Driver (b) Type 2 Driver (c) Type 4 Driver (d) Type 1 Driver
4. Cookies were originally designed for \_\_\_\_\_  
(a) Client-side Programming (b) Server-side Programming  
(c) Web Programming (d) Object Oriented Programming
5. Ajax stands for\_\_\_\_\_  
(a) Asynchronous JavaScript and XML Http Request  
(b) Asynchronous JSON and XML  
(c) Asynchronous JavaScript and XML  
(d) Asynchronous Java and XML

ANSWER THE FOLLOWING IN ONE (OR) TWO SENTENCES (K2)

6. What are the different types of containers in swing? Mention the different types containers in swing.
7. What is a java bean?
8. Define Servlet.
9. List the JSP Scripting elements.
10. What can Ajax do?

**SECTION – B (5 X 4 = 20 MARKS)****ANSWER EITHER (a) OR (b) IN EACH OF THE FOLLOWING QUESTIONS.****(K3)**

11. a) Describe the swing packages.

**(OR)**

b) Examine the swing layout managers.

12. a) List the application builder tools in Java Bean.

**(OR)**

b) Describe the Java Beans API.

13. a) Show the components of JDBC.

**(OR)**

b) Write and examine a simple Servlet program to generate plain text.

14. a) State the methods to getting client IP address in a Servlet.

**(OR)**

b) Describe the JSP life cycle.

15. a) List the JSTL tags.

**(OR)**

b) Show the advantages and disadvantages of AJAX.

**SECTION - C****(4 X 10 = 40 MARKS)****ANSWER ANY FOUR OUT OF SIX QUESTIONS****(16<sup>th</sup> QUESTION IS COMPULSORY AND ANSWER ANY THREE QUESTIONS****(FROM Qn. No : 17 to 21)****(K4 (Or) K5)**

16. Summarize the all swing component classes.

17. Investigate Swing menu components.

18. Discuss the steps of developing a simple Bean using the BDK.

19. Illustrate the architecture of JDBC and its types.

20. Classify the JSP scripting elements.

21. Elaborate the AJAX web application development model.

**ETHICAL PAPER**

\*\*\*\*\*