

(FOR THE CANDIDATES ADMITTED DURING
THE ACADEMIC YEAR 2020-21 ONLY)

SUBJECT CODE

20UCT412

REG.NO.

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

END-OF-SEMESTER EXAMINATIONS : JULY – 2022

B.Sc.-COMP.TECHNOLOGY

MAXIMUM MARKS: 70

IV SEMESTER

TIME : 3 HOURS

PART - III

ADVANCED JAVA PROGRAMMING

SECTION - A

(10 X 1 = 10 MARKS)

ANSWER THE FOLLOWING QUESTIONS.

MULTIPLE CHOICE QUESTIONS.

(K1)

1. Expand JFC _____
 - a) Java Foundation Classes
 - b) Java Future Classes
 - c) J2EE Framework Classes
 - d) None of the Above
2. One of the key swing features is _____
 - a) Heavy weight components
 - b) Native components
 - c) Lightweight components
 - d) None of the above
3. Every Servlet has its own _____
 - a) Name
 - b) Lifecycle
 - c) Session
 - d) All the Above
4. The syntax for JSP Scriptlet is _____
 - a) `<% %>`
 - b) `<%= %>`
 - c) `<%! %>`
 - d) `<%@ %>`
5. The two types of session beans are _____ and _____
 - a) Stateful and Stateless
 - b) Open and Close
 - c) Request and Response
 - d) Send and Receive

ANSWER THE FOLLOWING IN ONE (OR) TWO SENTENCES

(K2)

6. Describe JCombobox.
7. Describe Java Servlets with few real-time applications.
8. What do you mean by Cookie?
9. Write short notes on JSP Scriptlets.
10. Define the basics of JDBC.

SECTION – B**(5 X 4 = 20 MARKS)****ANSWER EITHER (a) OR (b) IN EACH OF THE FOLLOWING QUESTIONS.****(Qn. No. 11 to 15)10 questions (a & b) – 2 questions from each unit. (K3)**

11. a) Define the Term JCombobox in brief.

(OR)

b) Differentiate between JTextField and JTextArea in any two aspects.

12. a) Write a brief note on Java Servlet Architecture.

(OR)

b) Write the HTML code that invokes the Servlet code.

13. a) What do you mean by JSP Directives?

(OR)

b) Describe Servlet Sessions with example.

14. a) What are the types of Java Beans? Classify.

(OR)

b) List down the use of Servlet Chaining.

15. a) Brief the Two-tier and three-tier Database Access Models.

(OR)

b) How to connect JDBC with RMI? Illustrate.

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

16. Explain JTrees with suitable example.

17. Illustrate JTabbed Panes with suitable examples.

18. Sketch the Servlet Lifecycle and architecture.

19. Describe JSP Directives and Declarations with suitable example.

20. Implement a Servlet Chaining example and explain.

21. Elaborate JDBC driver types with suitable diagrams.
