

(NO. OF PAGES: 2)

(FOR THE CANDIDATES ADMITTED

SUB CODE

DURING THE ACADEMIC YEAR 2022 ONLY)

REG.NO. :

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

END-OF-SEMESTER EXAMINATIONS : MAY 2024

B.Sc.(IT)

MAXIMUM MARKS: 50

SEMESTER : IV

TIME : 3 HOURS

PART - III

22UIT412-ADVANCED JAVA PROGRAMMING

SECTION – A

(10 X 1 = 10 MARKS)

ANSWER THE FOLLOWING QUESTIONS.

(K1)

1. Default layout manager of JApplet is _____.
(a) FlowLayout (b) BorderLayout (c) BoxLayout (d) GridLayout
2. ____ is the ability to save a Bean to non-volatile storage and retrieve it at a later time.
(a) Introspection (b) Customizer (c) Persistence (d) Constrained property
3. Which of the following is the current syntax for JDBC URI?
(a) jdbc:<subname>:<subprotocol> (b) jdbc:<subprotocol>:<subname>
(c) jdbc/subname/subprotocol (d) jdbc/subprotocol/subname
4. How many implicit objects are there and how these objects are created by the web container that are available to all the JSP pages?
(a) 8 (b) 9 (c) 10 (d) 7
5. What server support AJAX?
(a) WWW (b) SMTP (c) HTTP (d) FTP

ANSWER THE FOLLOWING IN ONE (OR) TWO SENTENCES

(K2)

6. Explain JTree.
7. What is a Java Bean?
8. Define: Servlet.
9. What is hit count in Java?
10. Expand: AJAX.

(CON..2)

SECTION – B**(5 X 3 = 15 MARKS)****ANSWER EITHER (a) OR (b) IN EACH OF THE FOLLOWING QUESTIONS. (K3)**

11.(a) Describe any two JComponents in detail

(b) Write a short note on NewLayout managers.

12.(a) Explain the advantages of JavaBeans.

(b) State the Bound properties of a Bean.

13.(a) Classify the types of JDBC drivers.

(b) Write a simple servlet program to generate a plain text.

14.(a) Examine the servlet cookie API.

(b) Summarize the life cycle of a JSP.

15.(a) List and explain the JSTIL tags.

(b) Interpret traditional means of web application development.

SECTION – C**(5 X 5 = 25 MARKS)****ANSWER EITHER (a) OR (b) IN EACH OF THE FOLLOWING QUESTIONS. (K4/ K5)**

16.(a) Describe the top-level swing containers.

(b) Discuss about basic swing components.

17.(a) Developing a simple Bean using the BDK.

(b) Determine the Java Bean API.

18.(a) Compare the JDBC interfaces and classes.

(b) Explain the life cycle of a servlet.

19.(a) How to get clients address in a servlet? Explain.

(b) Describe the JSP scripting elements.

20.(a) Explain the working concepts of AJAX.

(b) Show the web framework of XML HTTP request object.
