

SYCS – SEMESTER IV - AD. JAVA

UNIT I

A. Swing

1. Differentiate AWT and Swing
2. Explain the JFrame Class
3. Write a short note on JApplet
4. What is the purpose of “Panels” in swing. Explain sets of panes
5. Explain three types of text controls in swings
6. Write a note on: **[OR] Describe various constructors and methods of following components with code snippets**
 - a. JButton
 - b. JCheckBox
 - c. JRadioButton
 - d. JList
 - e. JComboBox
7. Explain how to create and use JPasswordField
8. Write difference between : JList and JComboBox
9. Write a program to create a login form with two controls to enter username and password

B. JDBC

10. Write a note on JDBC architecture.
11. Write a note on : [Explain with Concept, Diagram, advantages, Disadvantages]
 - a. Type – I
 - b. Type - II
 - c. Type - III
 - d. Type – IV
12. Why PreparedStatement class is used? Explain its usage with code snippets.
13. Write a note on:
 - a. Statement
 - b. CallableStatement
14. What is the purpose of CLOB and BLOB in database programming?
15. How JDBC transactions are managed?
16. Write a note on Savepoints.
17. Define ResultSet.