

GOVERNMENT POLYTECHNIC JAMNAGAR
COMPUTER DEPARTMENT

ADVANCE JAVA PROGRAMMING-3360701

QUESTION BANK

Co1: Develop GUI applications using Java Applet.

- 1) Explain tag in Applet using Example.
- 2) Write a short note on Applet life cycle.

CO2: Built GUI applications using Abstract Window Toolkit (AWT) and Swing.

- 3) Write a GUI based application using JLabel, JTextField and JButton that accept your name and display it.
- 4) Explain MouseEvent class in detail.
- 5) Differentiate CheckBox and RadioButton.
- 6) List out Various Layout Managers? Explain any one with Example.
- 7) Create an application that display a frame with a Menubar when a user selects any Menu or Menu item, display that selection on a text area in the center of the Frame.
- 8) Write an applet that contains two RadioButton and 40×40 pixel CANVAS. The Two RadioButton should be labeled with Red and Green. When a user selects any RadioButton, change that selection of color in the Canvas
- 9) List out AWT controls in JAVA.
- 10) List out types of Event classes.
- 11) Explain Canvas class with example.
- 12) Explain event listeners in JAVA.

CO3: Implement basic database operations using JDBC.

- 13) Explain general architecture of JDBC
- 14) List out types of JDBC drivers. Explain any one type of driver in detail.
- 15) Write a JDBC program that access Student table from database and display its all record. Columns are Student_Id, Student_Name and age.
- 16) List JDBC Driver. Explain JDBC-TO-ODBC bridge Driver (Type-1)

CO4: Develop server-side programs using Servlets.

- 17) What is Difference between doGet () and doPost () Methods?
- 18) List various features of Servlet.
- 19) Explain the life cycle of Servlet.
- 20) What is HTTP/Servlet Technology? Describe HTTPServlet class with its methods with suitable Example.
- 21) Explain session tracking in Servlet.
- 22) Write a Servlet code to print "Hello".
- 23) Write Servlet to read parameters using POST method.

CO5: Develop web applications using Java server pages.

- 24) How to call JSP from Servlet? Explain using example
- 25) Differentiate between JSP and Servlet.
- 26) Explain JSP life cycle methods with program.
- 27) Explain how to pass parameters in JSP file from an HTML file with an Example.