D:\N. G. PATEL POLYTECHNIC

INFORMATION TECHNOLOGY DEPARTMENT

Course Name (With Code):- Advance Java Programming (4351603)

Semester / Year: Fifth/Third

Assignment Number: 01

Assignment CO Number: 4351603.a

Sr. No.	Questions related to Course Outcomes
Part – A	**Questions carrying 3 Marks**
1	Explain the difference between AWT and Swing.
2	Draw and explain swing class hierarchy.
3	Explain Mouse Motion Listener with example.
4	Explain event delegation model in Java
5	Write a Java program to use JTextField Swing Control to display your name.
Part – B	**Questions carrying 4 Marks**
1	List out various Layout Managers. Explain Flow Layout manager with Example.
2	List out JAVA SWING controls. Explain any two with its methods. Also write example of each.
3	Explain event handling in Java. Explain keyEvent, ActionEvent, WindowEvent, MouseEvent.
Part – C	**Questions carrying 7 Marks**
1	Develop a Java Swing program for a counter application having "Increment" and "Decrement" buttons with initial count of 0 displayed in the label. When "Increment" is clicked, the count increases by 1, and when "Decrement" is clicked, the count decreases by 1. A message dialog should be displayed when the counter goes below 0.
2	Create a Swing application with a menu bar containing a "File" menu having menu items "New", "Open", and "Exit". When the user clicks "Exit", the application should close. Add keyboard shortcuts for file menu items. Also add a "Help" menu having menu item "About". Display a message box which shows description of this program when 'About' is clicked
3	Develop a program to create checkboxes for different courses belonging to a university such that the course selected would be displayed.
4	Develop a program to Implement Traffic signal (Red, Green and Yellow) by using Swing components (Using JFrame, JRadioButton, ItemListener etc.)