SET A

Group A [10x1=10]

1. List out the differences between Frame and Applet.
2. Mention the use of <jsp:setProperty>.
3. Differentiate between JComboBox and Choice.
4. Name any two methods defined inside ContainerListener interface with their method signature.
5. What is JDBC API?
6. What are the life cycle methods of an applet? List out with their proper method signature.
7. What is the advantage of using adapter classes over listener interfaces?
8. What is the use of web.xml file?
9. How are variables declared in JSP?
10. Write down the disadvantage of JDBC-ODBC driver.

Group B [5x4=20]

1. What is BorderLayout? Explain. Write a program to show the use of BorderLayout.
2. Write a program that displays all the records from the table “product” that contains the fields id,name, price and qty.
3. Create an applet to display “Tribhuvan University” inside a rectangle.
4. Create a JSP to find factorial of a number.
5. Create a servlet to read cookie and display them.

Group C [2x5=10]

1. Create a java bean that contains three properties [name, address and phone no]. Also create a jsp to use the bean created.
2. Create a swing GUI with a button. When user clicks the button, a modal dialog box should be displayed.

SET B

Group A [10x1=10]

1. List out the difference between Frame and DialogBox.
2. Mention the use of <jsp:getProperty>.
3. What are the disadvantages of 3-tier architecture?
4. Name any two methods defined inside ComponentListener interface with their method signature.
5. What is servlet API?
6. Define layout manager.
7. How is a JButton different from JToggleButton?
8. What is a directive in JSP?
9. What is a Panel?
10. Write down the advantage of JDBC-ODBC driver.

Group B [5x4=20]

1. What is GridLayout? Explain. Write a program to show the use of GridLayout.
2. Write a program that inserts details (id, name, price and qty) of a product into the table “product”.
3. What is a DTD? Explain the types of DTD in xml.
4. Create a JSP to count number of times a page has been visited.
5. How can we create a session in servlet? Illustrate it with a suitable program.

Group C [2x5=10]

1. Create a swing GUI with a menu “File” and menu item “Exit”. If user clicks “Exit” the application should be closed.
2. Create a java bean that contains three properties [name, address and phone no]. Also create a jsp to use the bean created.