JYOTI NIVAS COLLEGE AUTONOMOUS
SYLLABUS FOR 2018 BATCH AND THEREAFTER

Programme: B.C.A   **Semester: V**

ADVANCED JAVA PROGRAMMING – LAB

Course Code:18BCAVP1   **No. of Hours: 60**

COURSE OBJECTIVES:

- Learn to create the graphical user interface oriented applications using platform independent and light weight components such as swings.
- Understand the architecture of Remote Method Invocation (RMI) and Common Object Request Broker Architecture (CORBA)
- Understand how the database programming concepts are implemented in java using JDBC.

LEARNING OUTCOMES:

- Knowledge about the database programming will add an advantage in developing an efficient and secure application.
- Knowledge about the java server pages and servlets will help in developing web based applications.
- Understanding of how the creation and usage of jar files work will be an added an advantage in creating java based software.

PART –A

1. Implement the functionality of checkboxes using Swing. On selecting a checkbox the corresponding text should be displayed in a TextField.
2. Implement a ComboBox and a Label. The ComboBox should contain names of countries and the label should display the corresponding flags on making a selection from the ComboBox.
3. Implement Tabbed Panes using Swing.
4. Implement a simple JSP showing increased font size.
5. Implement a Servlet to generate Multiplication Table for a Number Entered in Html Page.
6. Write a program which displays hostname and IP address of a host.
7. Write a program to create a URL and display its properties like protocol, port number, domain and file path.
8. Write a program to demonstrate the use of <jsp:forward> Action Tag.

PART – B

9. Implement Echo Server and client program that displays whatever is typed in the server on to the client using sockets.
10. Implement the concept of Cookies by registering a new user and displaying the number of visits made by the user .
11. Implement Login Form Validation using JavaBeans.

12. Implement jdbc connectivity to insert records and delete records into a table.
13. Implement jdbc connectivity to to demonstrate PreparedStatement.
14. Implement jdbc connectivity to demonstrate first( ), next( ), previous( ), relative(int row), absolute(int row).
15. Implement a simple client/server Application using RMI.
16. Write a program to create a jar file.