Cycle 1

1. Familiarization with simple java programs
   a) Write a program to print NCr and Npr
   b) Write a program to print first n fibanocci numbers
2. Implementation of threads, a program having threads - one thread prints all even numbers and finds the sum of first n even numbers another thread prints all odd numbers and finds the sum of first n odd numbers
3. Design your home page using HTML
4. Simple network programs
   a) Write a program to get the IP Address of a system.
   b) Write a program to create a client-server using TCP in which the client is accepting a message from the keyboard and sends it to the server.

Cycle 2

5. Write a program to create a client-server using TCP in which both client and server are accepting message from the keyboard and send them to other.
6. Write a program to transfer messages from more than one client machine to one server
7. Create a simple website using HTML, CSS and javascript
8. Write a program to broadcast data from server to all clients.

Cycle 3

9. Write a program to implement RMI
10. Write a program to implement conference(public chat)
11. Implement a simple calculator using applet
12. To implement two threads such that one thread generates random numbers at an interval of 2 seconds and the second thread finds the sum of the numbers produced so far.
13. Implement producer consumer problem

Cycle 4

14. Write a program to implement a file server with support for user authentication.
15. Write a program to implement chat between two clients through a server
16. Write a program to design and implement a UDP Client – Server connection
17. write a GUI program to implement bidirectional chat

Cycle 5

18. Write a program to implement a Client-Server application by using RMI. The application is to reverse a string given by the client as a request to the server.
19. Write a program to design and implement a web server to retrieve information identified by the requested URL.
20. In a stock market it is required that each office is to be informed about the latest stock quotes continuously. Design a stock quote server to send the latest stock quotes to each office as soon as they are arrived.
21. Implement error checking algorithm CRC
22. Familiarization with XML and XSL