

## Unit -5: Network Programming

### Assignments:

1. What is UDP Socket? Differentiate it with TCP socket.
2. What is socket? How can you communicate two programs in a network using TCP Socket?
3. What is TCP Socket? Differentiate it with UDP socket.
4. What is a socket? Write client and server programs in which a server program accepts a radius of a circle from the client program. Computes area sends the computed area to the client program and displays it by client program.
5. What is Java Mail API? How can you use this API to send email messages?
6. Write a java program using UDP sockets that communicate with each other in a computer network.
7. Write a java program using TCP such that client sends number to server and displays its factorial. The server computes factorial of the number received from client.
8. Write a java program to receive email messages using Java Mail API?
9. Discuss the purpose of the InetAddress class in Java.
10. What is the purpose of the URL class in Java networking? Explain with suitable example.