**Department of Computer Science and Engineering**

**CIE – III**

**Subject : Network Programming Code: 18SCS72 Date : 24/01/2022**

Duration : 1 Hr. 00 Mins. Marks :25

**All questions carry equal marks answer any five questions.**

# 1. Discuss the differences between TCP & UDP. [ L2, CO1, PO1]

# 2. With a neat diagram explain the TCP connection state diagram. [ L2, CO1, PO1]

# 3. Explain OSI model. [ L2, CO1, PO1]

# 4. Explain the Unicast example of a UDP datagram. [ L2, CO3, PO1]

# 5. Explain the Scope of Multicast addresses, along with IPV4 AND IPV6 multicast addresses. [ L2, CO3, PO1]

# 6. Demonstrate with code, the use of dg\_cli function that broadcasts. [ L3, CO3, PO3]

# 7. Justify how beneficial is Multicasting on a WAN network. [ L4, CO3, PO3]