



**MALLA REDDY UNIVERSITY**

**School of Engineering**  
**Department of Computer Science & Engineering**

**Branch: B.Tech, CSE**

**Subject: Computer Networks**

**Year: II-I Sem, A.Y 2023-24**

**Subject Code: MR22-1CS0145**

**Assignment-1**

**UNIT-I INTRODUCTION TO COMPUTER NETWORKS**

1. Define Network and explain the categories of networks?
2. a) Explain about the unguided transmission Media in computer networks?  
b) Explain about ISO/OSI Reference Model?
3. a) Explain about Protocol stack of TCP/IP with proper diagrams.  
b) Discuss about similarities and difference between TCP/IP and OSI Reference Model?
4. a) Discuss about mechanism of following devices:  
i) Hub ii) Bridge iii) Router iv) Gateway  
b) Discuss about internet-based applications?
5. Explain about the Guided transmission Media in computer networks?