Course Name: Computer Network   **Course Code: USIT 302**

Faculty Name:-Dr. Ruchi Gupta

Instruction:-
- **Prepare handwritten, neat, and clean assignments in the notebook.**
- **Use multiple pen combinations.**
- **Mark page no on each page.**

Note: - Copy paste content not acceptable

Submission date: - 5 August 2022

Assignment 1

Q.1 Explain basic communication system with block diagram.
Q.2 Explain data communication & where we are using it.
Q.3 Explain the advantages & disadvantages of computer networks.
Q.4 Discuss the history of the Internet.
Q.5 Explain different types of networks.
Q.6 Explain OSI model and its services.
Q.7 Explain TCP/IP protocol
Q.8 List and explain the function of each layer of ISO's OSI model with neat diagram.
Q.9 Explain different Topologies.
Q.10 Explain digital data to digital signal conversion.
Q.11 What is analog to digital conversion?
Q.12 Explains digital to analog conversion.
Q.13 Explain analog to analog conversion.
Q.10 Differentiate between the following
- Different Transmission modes.
- Hub and Switches.
- Bridge and Gateway
- Connection less and Connection oriented.
- BPSK AND QPSK
Q.11 Short notes:-
- UDP
- INTERNET PROTOCOL
- TCP
- Switch
- Hub
- Repeater
- Use of Repeater
- Modem
- PAN
- LAN
- WAN
- CAN