# T.Y.BSc. Computer Science

# Subject: Computer Networks

# Theory assignment 1 (Based on unit no 1 and 2)

## Answer the following questions in short.

a. Define protocol, signal, bend width, frequency
b. What is simplex, half duplex and full duplex transmission
c. What is multiplexing and de-multiplexing
d. Explain main functions of LLC and MAC
e. Explain need and use of CSMA / CD
f. Explain concept of logical addressing
g. Explain FTP, Proxy and Gateway
h. Explain any three IEEE standard

# Theory assignment 2 (Based on unit no 3 and 4)

## Answer the following questions in short

a. Explain TCP / IP Protocol layer
b. Explain various classes of IP Addressing
c. Explain unicast, broadcast, multicast, anycast
d. Explain use of ICMP and IGMP protocol
e. Explain use of port and socket
f. When UDP is more suitable compare to TCP
g. Explain DNS name space, resource record, DNS Query, Name servers
h. Explain use of SMTP and IMAP

## Last date of submission is: 21/9/2022