

Internal Test 1

B.Sc.(H) Computer Science III sem

Max Marks :20

Date: 28/09/2020

Computer Network

Time 1:30

Q.1 If the data link layer can detect errors between hops, why do you think we need another checking mechanism at the transport layer?

Q.2 What is the Nyquist sampling rate for a bandpass signal with bandwidth of 300khz with lowest frequency as 100 Khz?

Q.3 Performance is inversely related to delay. When You use the Internet, which of the following application are more sensitive to delay?

- a) Surfing the Internet**
- b) Copying a file.**
- c) Sending an Email.**

Q.4 If the sequence is 10101101100101, what is the result of line coding scheme using

1. NRZ 2. RZ 3. Biphase (Manchester and Differential Manchester)

Q.5 write a short note on

- 1. RARP**
- 2 ICMP**
- 3 ARP**
- 4 SCTP**