

Question 1: choose the correct answer . (5 marks)

1. The data link layer takes from and encasulates them into frames for transmission.

a. Network layer b. physical layer c. transport layer d. application layer

2. In TDM, slots are further grouped into.....

a. seconds b. frames c. packets d. none

3. In three stage space division switch, if $N=200$, the number of cross-points is.....

a. 40000 b. less than 40000 c. greater than 40000 d. greater than 100000

4. Stop and wait protocol is for channels.

a. noisy b. noiseless c. either a or b d. none

5. A switch in a datagram network uses a routing table that is based on the address.

a. destination b. source c. local d. none

Question 2: Answer the following questions (5 marks)

1) In sliding window Go Back N system A sends packets 0,1,2,3,4,5 and 6. packet 3 arrives at B corrupted. what do A and B send to each other next? (2.5 Marks)

solution: B sends Rej3 , A then sends packets 3,4,5,6,

2) How is the propagation delay affected if the length of the packet is increased? (2.5 Marks)

solution: This delay is just a function of link length and its physical characteristics so it is not affected.