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Quiz - 3

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Ans. To Q. No: 1

In link-state packet age is the time to leave of the generated packet. After a given amount of time the packet be deleted from the buffer.

If the duration is short than the generation time of the new packet, or the arival of the new packet, then there will be no packets in the riceverg buffer at then the age duration and the riceven router will be in the dark with no information till a new packet arrives.

If the age duration is to long then, if a read error occurs then a lot of new packets will not be accepted till the age duration and the receiver will suffer by missing alot of new packets and using old outdated packets.

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Ans. To Q.No:- 2

In normal choke Packet, a choke packet will be sent to the source to let it know that a router is facing congestion. But if the distance is to big then by the time the choke packet reaches the source, the source will have already created alot of new data which will suffer in a loss.

In hop-by-hop choke packet, all the routers between the source and congestion router, which will pass the choke packet will also read the choke packet and know that a router is

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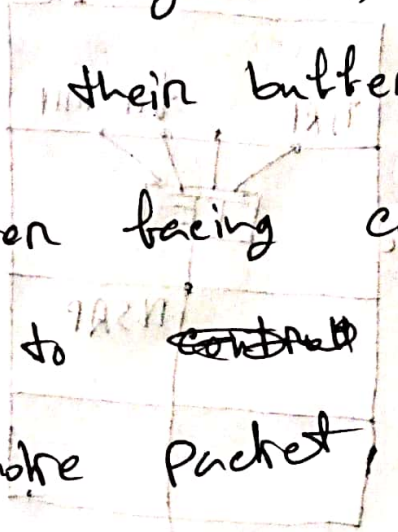
facing congestion. So those routers will lower the data rate they will pass by holding incoming data packets in their buffers. By doing this the router facing congestion will get a breathing space to control it's congestion. When the choke packet reaches the source the source will choose a different path or stop generating Packets.



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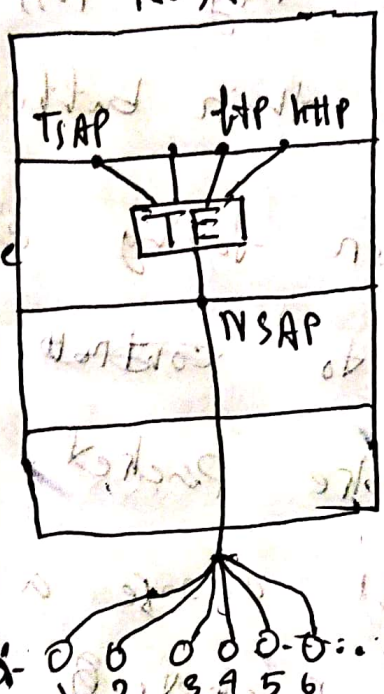
Ans to Q.No 8

NSAP = Network Service Access Point (IP)

TSAP = Transport Service Access Point (Ports)



Using Network Service Access Point a single server can provide different types of services to different hosts. The NSAP and TSAP connects to the different ports in the Application layer.

The request also as a port number and IP address using these the server creates

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multiple sockets to connect to different hosts with ~~different~~ ~~different~~ different types of services using the same end point

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