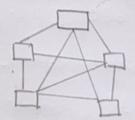
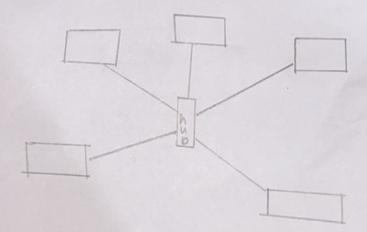
Ans to the Ques No 1 (a)

Mesh Topology:



In mesh topology each device is connected to every other device on the network through a dedicated point-to-point link. Number of links in a mesh topology of n devices would be n(n-1)/2

Star Topology:



In star topology each device in the networkis connected to a entral device called hub. Unlike mesh topology, star topology duesn't allow direct communication between devices.

* for mesh topology number of links., n(n-1)/2.

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X = 6 + 1 = 79 = 6 + 1 = 7

: for mosh topology = n(n-1)/2= 7(9-1)/2= 21

for star topology we use HUB as a central note. All devices are connected to it. Heree, we mened total (7) links to connect all nodes

* If I choose a secure topology between mesh and starn, then I'll go for mesh topology. Be cause every node is evenneted to one-another. when is in starn, there are exentral node connected by an the nodes; that's who mesh topology is more segue secure.

Ans to the the anes. No-106

If I have a channel with woobps band width then I'll chose half-duplen data flow. Because in half-duplen we can transmit data on negieve but.

forster borns with speed. So, resture
of home already low borndwidth channel
cause of that we em use halfduplen both flow.

one advantage and one disordrantage ofon, each of these two beta flours.

* Both devices con send and receive duter. But in hung.

duplen mode other bevice com

not send bater.

Ans. to. the Ques No. 26

Flow control: Flow control evondinetes.

that amount of but the em be east before receiving on acknowledgement

It is one of the most important duities of the duta light layer.

* flow control tells the somben how muck between to send.

A flow controll technique: step.

Epron Controll

Broom continued in.

the but link loven is bouged on

ARO; which is the tre transmission of

methods of error detection and retromsmlesse

It ber Evers time on ernor to detected in tom enchange specific frames one ne transmitted. This prosses ARA.

Ans. to. the Ques-No. 2 (ex)

Mesh topology is a type of ne-tworking where an nodes cooperate to distribute duta among each other. It can be necieved more quietly it the noute to the moute ne expect is short, this topolog does not cause a breet in the network on transmission of Lenter. Now, as given

x = (6) mod 6. y = (6H) mod 6. = 7 mod 6.

1. no

Are to-the-bues. No-46

throughput is an actual measure of how much to duta is success Rully arrows fersed from source to destinution and buriduilth is a theorietical. mesure of now much duta could be transferred from some to destination, throughput. measures speed while bornd with is only idine indirectly returned to speed.

17201066', page:09. Date: 25,08,200 Aves to the anges Mou (oy throughput is an actual mousum of how much & =1+21's 300000 from sterred. Fir=140 = 2th. de and bunidath is a theoretical mesure of now much deten could be transferred for some to destination, through measures epect while bond with is Poods