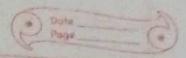


include inside the HUB will be broadcosting to all the participating Entity Equally. So It is not mostly not used. (ii) switch = It is such kind of Connecting logic certin Switch is used as Central Stational State topolog packets certich are ruceined ireid the Switch are transmitted to the selected meeting only on the basis of of address specified onto the parket. Parket heads in the address to Specification hoga maha dona Asophait hoga. (iii) Router - Router is a kind of Switch by dynamically programmable. It 8 transmit packets only to Selected Participants. * Bridge - To Connect Lowo Subnetworks as USE bridge. * Parkets - Logical amongements of bits. address Data Control
ooo information. if we have -10000 3 lits then address 8 marking 4 Lits then can address 16 machines.

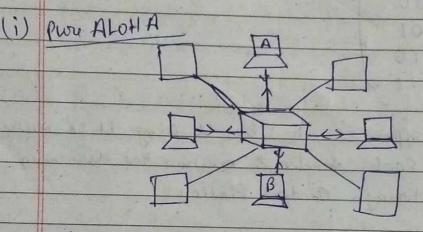


C Page (*)
If one are having n hitle 1 00
The one having n bits to Spreify smaddows one Con uniquely identify 2nd marketines becorgion
1000 is not used for addressing instead it is used
for broad calting.
THE MANUEL BENEFIT OF THE PARTY
Shith the no of Pessible Combination
001
010 011 8 Combinations 100
011 8 Combinations
100
101
111
Munit: (i) In Companison to bus & Ring it is more
Sucure . Canh Each Sinder & receiver has there any
dedicated link through Central Station
07. 190101
Demerit & if Control Station brok, the Endire network
will fail.
Comparation of the particle of
Using Star topology an con implement specific type
of network called ALOHA network.
B
G HUB D
ALOHA
Suppose A words to sind data to Go, then acc. to
Stan topology, A will Sind data to Central Atation
busande of Contrat Cont Hubis used as Central Controller
The pig wind of the consider



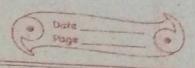
Has will broad Court the packet to all participating machines, Equally and A will also racine its own packet could will ensure machine A' that Packet is delivered successfully. This is the counting principle of ALOHA network. HUB is used as Central Controllor in ALOHA network.

(i) Pure ALOHA (ii) Slotked ALOHA.



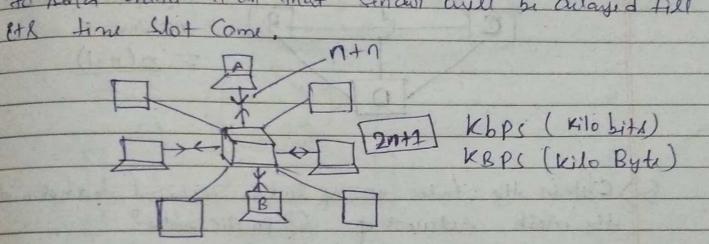
Jub Koi V Sindin data kiki gender Kobbejta hai. Kisi bhi network artinity ke imitiale hote hi; certale network get busy. So when no of farticipanth increases, so taken A a will sind its data of at the same time when A is processing town if any other sender sindy the data of then the Voltages collides data is corrupted. This is becorg in flow Alotta. any network activity busy the whole network.

The inherent demerit of no pure aloha is any smallest form of network certinity is capable to busy the network. So, again no. of participents Jyada hongs to probability hai ki, Jab ek machine data kind kan saha to, during processing often makine agan data bhesta hai to ge interminally hoke voltage callede



par Jayings aux data Corrupt ho jayiga. Se, seu osurcom this demerit using Slothed AloHA.

(ii) Slotted ALOHA: It lays that berozy pure DIOHA network is very Profiling to data Collision So in Slotted Alotta there is a rule implemented that Each Sender will be allocated with predefined time Slot. And that Gender civil be allocated to lend data in that time only. If another Sinder Long tries to And dade then that Gender will be alonged till



When cer Send date from A' to HUB (Central Station)
Reppose it tokes n' time and data brandcasted by HUB tekus in time and in addition autook I time unit (marginal time). So after (2nt1) transmission of A is Completed. Expression for Vulnerable time = 2n+1

6) During the Expression for Vulnerable fine ?