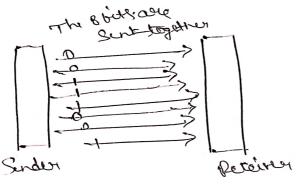
Internal ro 2

Shahul Hamed 5 1/EN18CS097 CSE'A'SCE

Dc (180346)

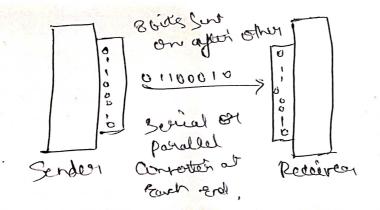
10. Parallel transmission!

rultiple bits are gent with Back clock. Fick. in with a group are near simultaneously, in wine are wood used to Sand in bit has its own wire. Sand in bit has its own wire.



postable brang mission.

Social transmission!

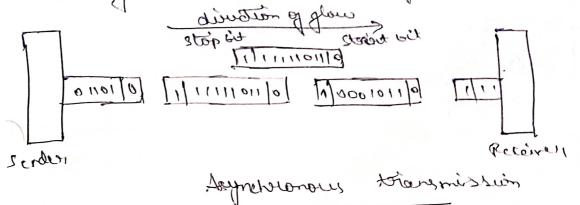


Alynchronous took mission!.

prior to dato tolar joy, both Sorder & staceerer agree on pattern of injournature to be exchanged. Patterns are based on grayour of into byths.

The Sordon Diskmits Each group to the without support to times.

resiser ut, bounded, use priciple south so grad et

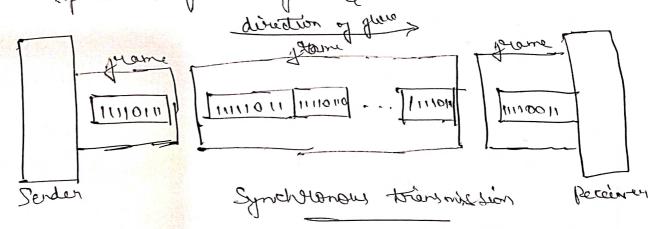


Synchronous train mission;

un serd bits om spein arather without stoot or stop bids.

Or gaps. The societies is needparkable got glouping. The bids.

The bit - stream is combined with temper grames, which contains in multiple bytes. If the sender world to send data in separate burges, the graps of w burges must be filled with a special sequence of 0's E1's.



!! Endulated elt

The isochemous transmission gustardies that the late asseited at a first state. In real time sudichider, jetter is nest

ક

acceptable. Thought Symbolonous tolansmission fails.

1/0

Arating Digital to arolly !-

It is the process of charging one of the characteristics of an avadag signal based on the importation in digital signal.

A sin work Can be degried by 3 attendates:

1. Amplitude 2. phouse 3. progreendy

when any one of the 3 altoributés of a wave is varied, a different reasion of the wave will be psuduced.

Serdus

Democulator

Democulator

Democulator

by daying one attribute in any analog signal, we can use it to supresent digital data.

Four methods used in digital to analog rembers.

- 1. Amplitude shift keging (ASK) 2. Estequency Shift Reging (Fel)
- 3. phase shift keying (PSK) 4. Quadrete amplitude modulations. (CaAm)

Amplituté & prase Ship Reying,

30,

multipliere is a set of teleniques, that allows the simultaners transmission of multiple Signals access a single data.



Safrata Com

Synchronous tomt The data flow of input connection is divided with until until, where such input occupies one input time state.

The duration of an outpet time is notioned than the duration of an input time slot. a should of tota units from Each input is collected into a grame, the notions, .

Jor n connections, we frames divided into n time Iless.

E one slot is allocated for Each unit, one get Each input
line.

Time Sloti are grouped into Joannes. I grame consuits of one complete cycle of time side, with one slot dedicated to back device In a system with misput times, beach grame has a slote, with tack short allocated to

Castrying data from a specific input live.

A3 ' A2' A1

Saw 3 Pane 8 promi

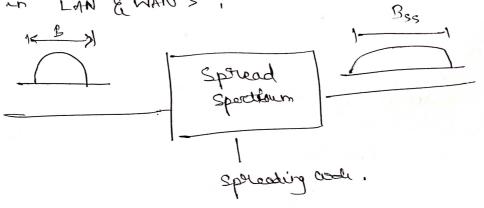
Each from is 3 line shot

Data are taken from fact line Ts

Data are taken from fact line Ts

Speed Speedburm!

Multiplacing Contains signals from Several Lowices to achine bordwidth reppainty. The available bardwidth of a link is divided in b/n the sources. In spread specthum, ur also combine signals prom different sources Tafit with a longer bardwidth. Spread spetthum is divided to use in LAN & WAN'S,



Folequenty Hopping spread Spetterin:

F.FISS stackingue uses or different cooling frequences that ore modulated by the Source signal at one moment, the light modulates one cassies galaquerry, at the next moment. The signal modulates another flequenty arriver. Modulation is done using one carrier plaquency atatim A pseudotardom code generator, called pseudotardom noise, creates a + piet pattorn you Every hopping postud Th. The prequency tables use the patternito to find the prequency to see be used.

