cables, fibre optic cables, and wireless signals (i.e. iddio waves thronging turnales pailed in emiliam evolver and stid to most att al entermation on the internal moves from one computer to another Mouto it actually

Steps of Frankmission. gh EMF, electromagnetic field)

4. Data Econnestation

ore, parially federatios used to identify every that may a court during the franchission or storage of digital data.

- 69: 20 mb vides into multiple pades reach with frames audio 8 medadae. address , sequence numbers , and errour - checking codes which And packet contains a piece of original data along with a packet packet and data or (orthograph and data at some and data) and data or (orthograph and data) - Files and messages split into smaller units called data packets

1) Addressing and Louting: tagged with source and destination 1P addressed 1

to formary the packet. - Louders along the path examine the distination 19 to determine where I

source and the receipents sorrer 1P as the distinction. - fg: Roch email sending, each packet has your device's IP as the

winells signally. - Data packets travel through mediums. Like fibre-optic cables or 3. Pata Transmission:

(et box 20) efte punnid atri batravirus et abstrag ett ni otes ett -

The data in the medium.

Sprepriote for the medium.

By your missages converted into binary is frapamited as higher spread on the day of the medium.

Shapes it is a fiber-optic cable or radio waves in a wife sprale.

4. Receiving and Respectable; the incoming data packeter-

the page consecuty - bg: a server receives parted cardoining point of a webporder - Sequence numbers hup reassends the phobes in the correct

0 13

3 e H

.3 0 H 2 e H 2

2

1115

1110

11 GILD)

11 2 6

1

1

1

1 1

1

1

1 1 1

10

10)

1) 10) 量(ツ)

()

5 6 11 9

0

0

-

e

9

e 6

SH

- bg: deading a data packet containing an image involves converting Join involves converting binow bits back the their original data padita are duaded to retrieve the original content 5. Data deading.

- duving transmission, data packets might get corrupted due to 6 From detection & correction:

- Enor-detection mechanisms like checkens identify correpted play interference or voice.

help recover lost data They con techniques like retrapanisaion) or foward error correction

- Egit a packet is corrupted, Ed identifies and sender resents packet

7. Data processing and interaction:

to were input occur. - Enteraction Like displaying content, playing media or responding - The received data is processed by the receipient device or server.

- This enables interactions like submitting forms, sending response - Data Frans mission is not one-sided; devices can send data back Bidin chanal Communication:

data simultaneously or engaging in real-time communication . For in a vidue call, both participants transmit audio and wide

between devices - Handshake proposels establish maintain and ferminate connections - Actrowledgement signals confirm successful reception of packets g. Acknowledge & Handshake:

40ksmishort energy how algos proper data from unauthorized access during - data may be energibled to enema secura transmismon.