02) Explain Transmitter, Receiver, Message, medium, Protocols

Transmitter: - A device that converts information into a signals & sends it over communication

Receiver: - A device that receives the transmitted signed decods it & extracts the original information

Massage: The information or data beingsent from transmitter or the receiver

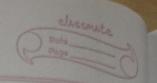
Protocols: - sits of rules governing communication idefining massage format vervor handling & authorization medium: - The physical pathway or channel through which the massage trovals

standards: - Established norms that ensure devices, system or
protocols operate uniformly for compatibility
& interoperability

03 Compare on any eight points between Analog & pigital signal

Analog Communication Digital communication

In analog communication analog. In digital communication digitial signal sign



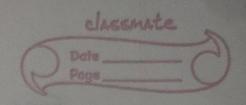
and why the conversion is required between Analog to Digital

- thile some systems operate only on digital data others have to interact withanalog world. It may be necessary to convert an analog input into a torm that can be manipulated the digital system or to transform an output from a digital system into the analog reason output from a digital system into the analog reason
- as List any eight advantages at computer network
  - Enhancement of communication & information availability
  - convenient sharing of resources
  - Fasy File / Data sharing in a computer network
  - Highly flexible hence allows anyone to share data
  - The software & networking devices are available ad very
  - It is highly cost affective
  - Notworking boosts storge capacity as it uses intend
  - It is very realable & can accompdate a lot of users

as Listany four disadvantages of computer network

- They lock independence & rely on interconnected devices if one goes wrong I disconnects the whole network is disrupted
- hard to track all operations
- It lacks robudness as whole globe is connected to a primary serves which risless blackout
- presence of computer viruses & malware

4



of List any five Applications of Computer Network - Resource sharing is one of the important application as one software can be shared among multiple users - communication it means vorious ways through which we can communicate life email - It has access to remote information from end users - online education as it provides learning platforms, distance education & virtual classrooms - E-commerce it allows buisness to sell their products

& revices online & reach a global market.

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