

## Network Connectors

:- We know that internet is a network of networks. This means at physical level the participating networks are joined together by connectors and nodes by one cable but thousands of them. There are four different network connectors with roughly similar functions.

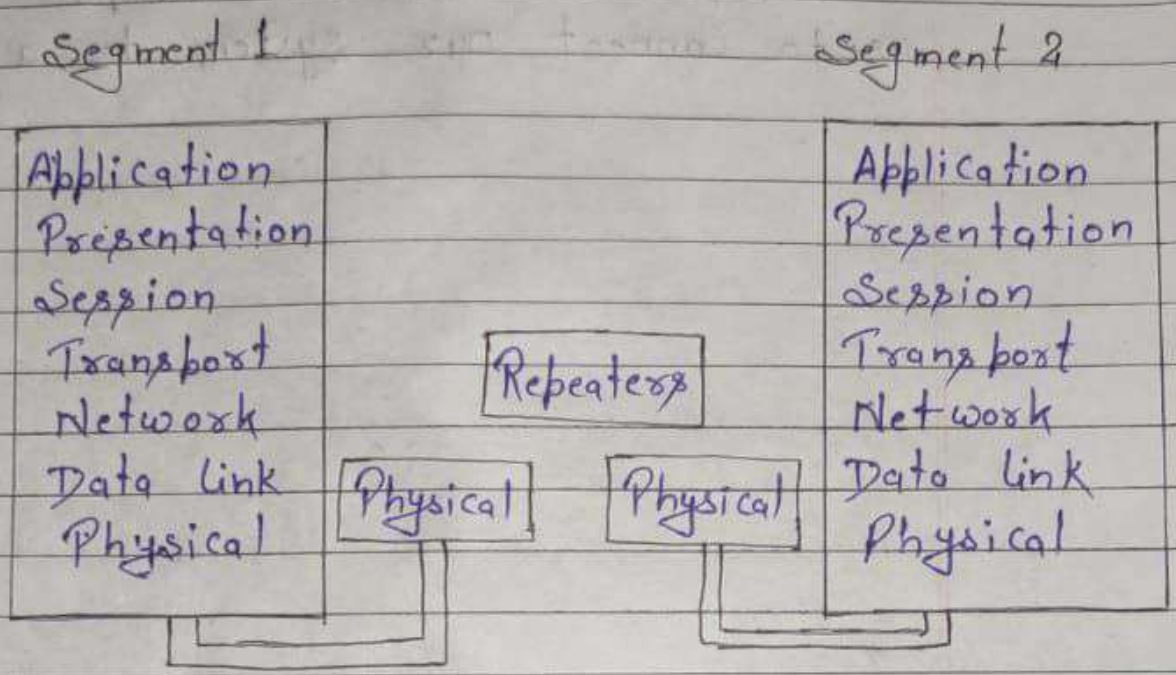
1. Repeaters

2. Bridges

3. Routers

4. Gateways

# 1. Repeater :-



A Repeater is an electronic device that amplifies the signal it receive. a LAN repeater is use to re-generate data and voice signal. this devices work at physical layer of OSI model. we can say repeater, is a device which receives a signal and re-transmitted it at a higher level or higher power, so that the signal can cover longer distances.

An incoming packets from a network segment is read by the repeater. the packet is amplified and transmitted to another segment of the network. thus repeater work purely at bit level. therefore the limitations of a repeater is that it can link to segment of one signal LAN. the term signal LAN means that the LAN is physical as well as logical

Page No.:

Date: / /

Send ∴

Example - Ethernet is a network repeater  
used to connect our system to a LAN.