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Internet & internet technology

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Answer to the Question no-1

① Active hub: Hubs that are plugged into electric power are called active hubs. Active hubs amplify or repeat signal pass through them.

② passive hub: Merely connects cables on a network and provides no signal regeneration. It is a central connecting device in a network that joins wires from several stations in star configuration.

③ intelligent hub: A network device that is performing a variety of processing functions, including network management, bridging, routing and switching. Contrast with passive and active hubs, that is intelligent hub.



## Answer to The Question no-2

Example:

Physical Layer: The physical layer is the layer of the open system interconnection model. The physical layer deals with bit-level transmission between different devices and supports electrical. This layer is medium for synchronized communication.

Data Link: data link protocols are Ethernet for local area networks, the point-to-point protocol, HDLC and ADCCP for point-to-point connections.

network layer: network layer include internet protocol, internet control message protocol, internet Gateway Management protocol is the example of network layer.



Can we use physical layer device in data

link layer? ~~yes~~ ~~we~~ data link layer and

physical layer communication with protocol

data link layer protocols are classified

as LAN protocols, WAN protocols,

and physical layer work is physically,

so that was not work in same.

Advantage of device? OSI Model is

used for communication include internet

the shortest and easiest path to transfer

data.