

7(a) What is transport layer? Overline it. 1

(b) Write down the application of transport layer. 1

(c) How to end to end communication works. 6

Answer:

7(a): Transport layer is a medium by which all modules and procedures are pertaining to transport.

This layer communicates with its peer transport layer of the remote host.

Transport layer is responsible for peer to peer and end to end communication. It takes data from upper layer, breaks it into smaller pieces and then sends it to the lower layers.

7(b): Transport layer works the following way.

- i. It breaks the data and then sends it to the application layer.
- ii. This layer ensures the data quality and sequence.
- iii. This layer provides end to end communication.
- iv. It builds connection between the server and Transport Service Access Points or TSAPs.



20

7(c):

End to end communication is a process on which one host use TSAP to identify its host. Transport Service Access Point is very well defined process and it helps to communicate its peer host.

when a DHCP ~~server~~ clients communicate <sup>with a</sup> server of DHCP, then it always request on port 67 but a DNS client always communicate with DNS server with port 53.