



RAMA UNIVERSITY

www.ramauniversity.ac.in

FACULTY OF ENGINEERING & TECHNOLOGY

BCA-302 Computer Networks

Lecture-07

Mr. Dilip Kumar J Saini

Assistant Professor

Computer Science & Engineering

OUTLINE

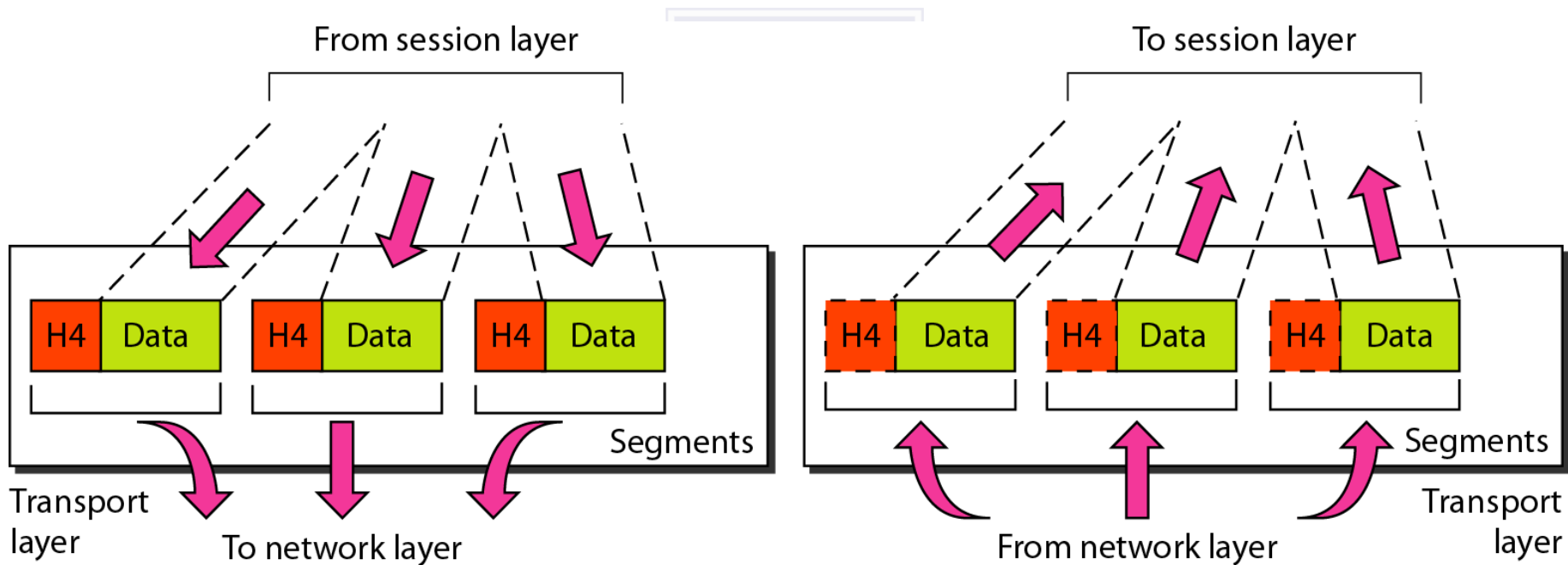
- **LAYERS IN THE OSI MODEL**
- **FUNCTIONS OF TRANSPORT LAYERS**
- **FUNCTIONS OF SESSION LAYERS**
- **FUNCTIONS OF PRESENTATION LAYERS**
- **FUNCTIONS OF APPLICATION LAYERS**
- **SUMMARY**



LAYERS IN THE OSI MODEL

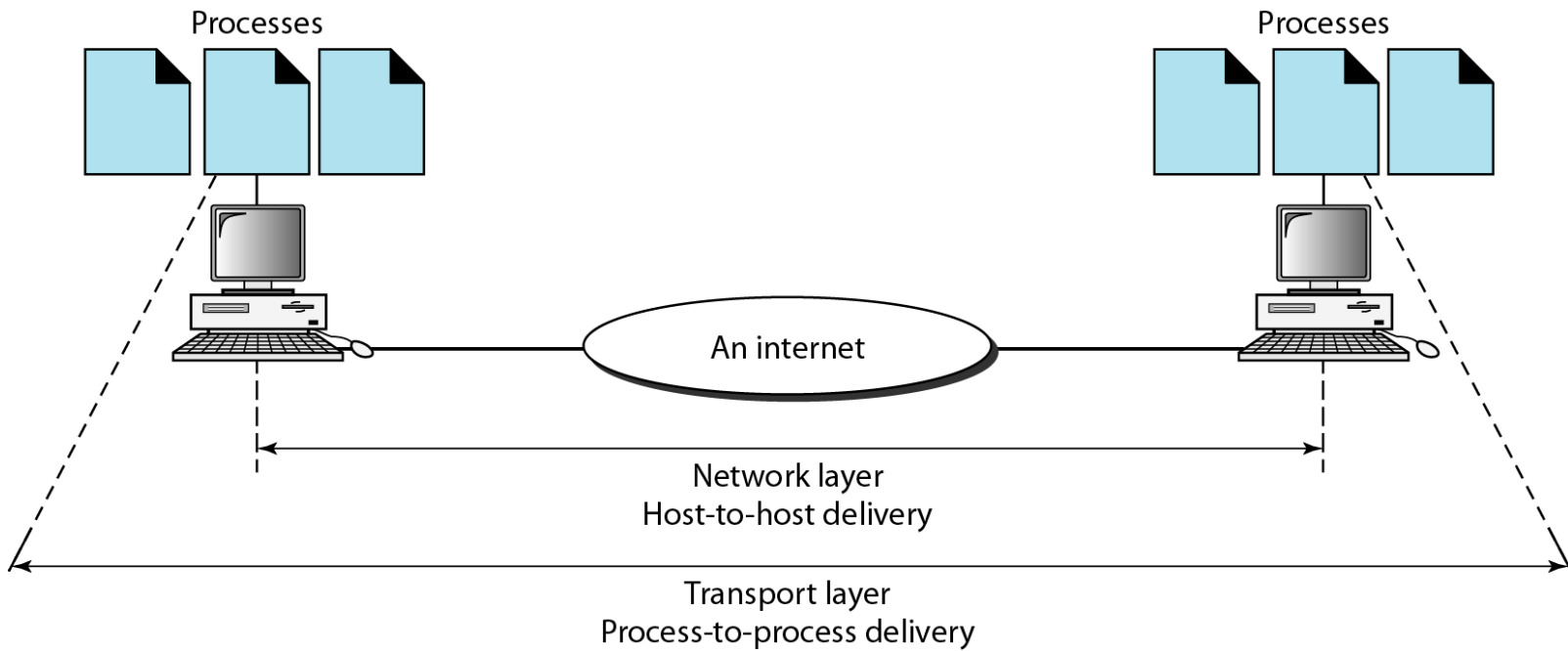
TRANSPORT LAYER

The transport layer is responsible for the delivery of a message from one process to another.



LAYERS IN THE OSI MODEL

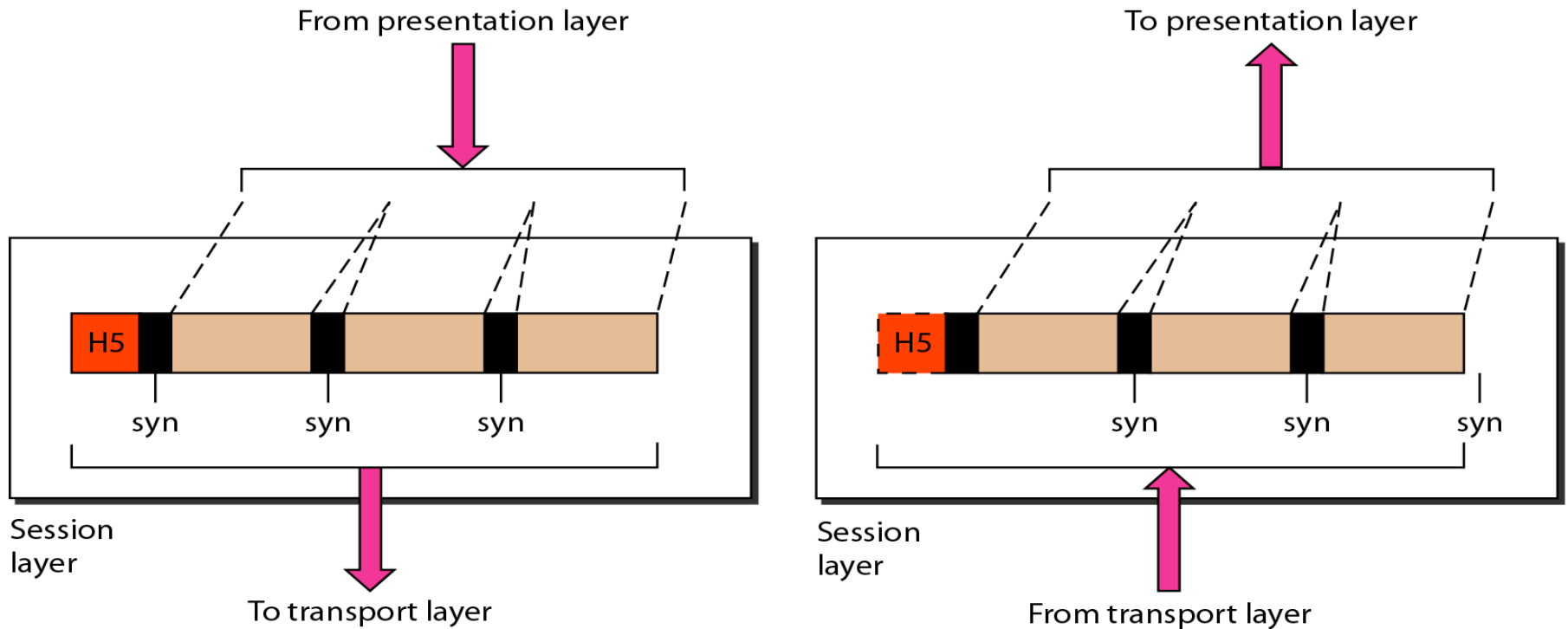
PROCESS-TO-PROCESS DELIVERY



LAYERS IN THE OSI MODEL

SESSION LAYER

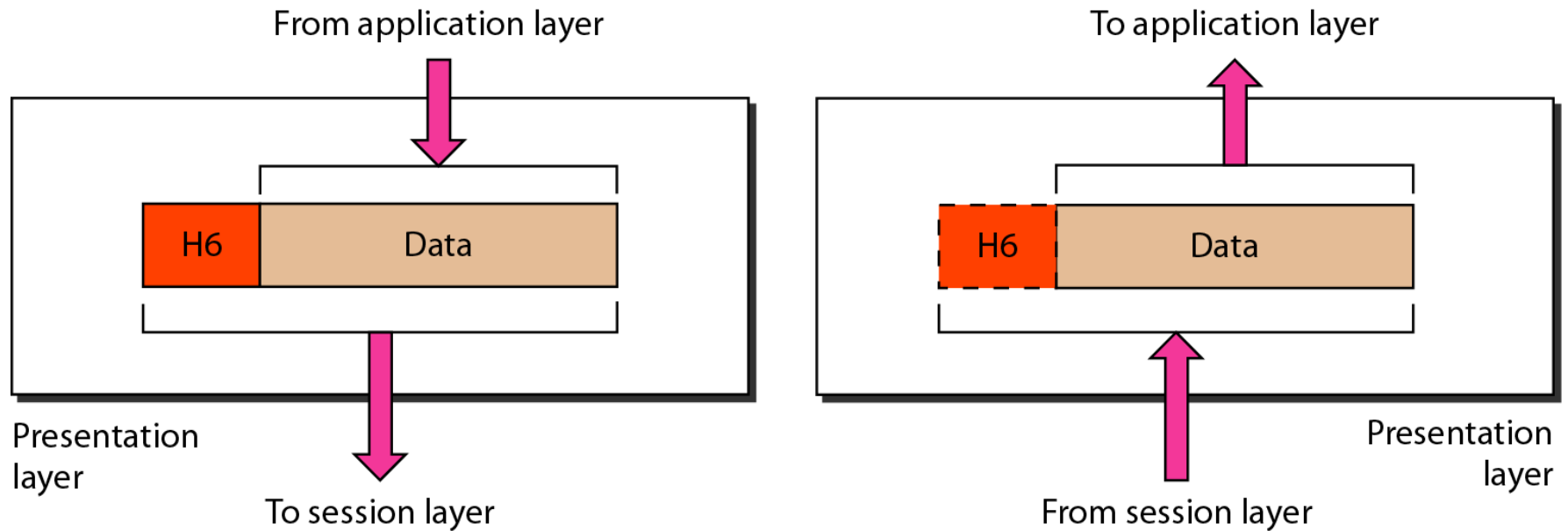
The session layer is responsible for dialog control and synchronization



LAYERS IN THE OSI MODEL

PRESENTATION LAYER

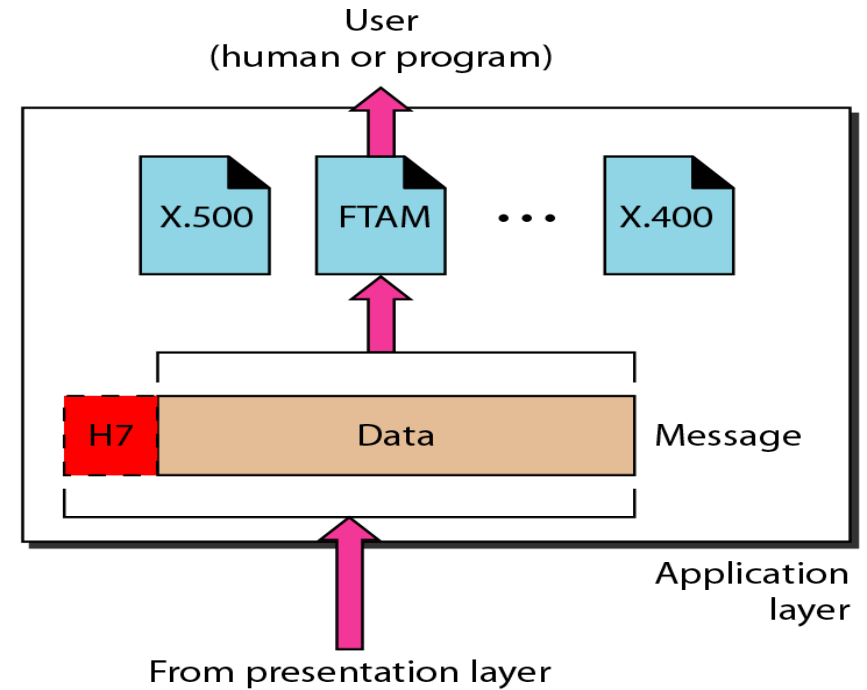
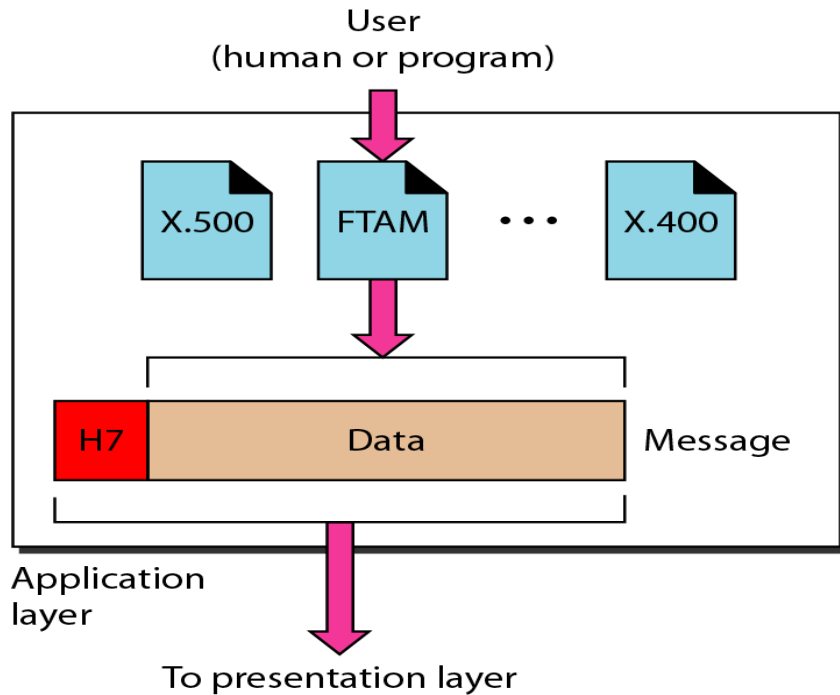
The presentation layer is responsible for translation, compression, and encryption



LAYERS IN THE OSI MODEL

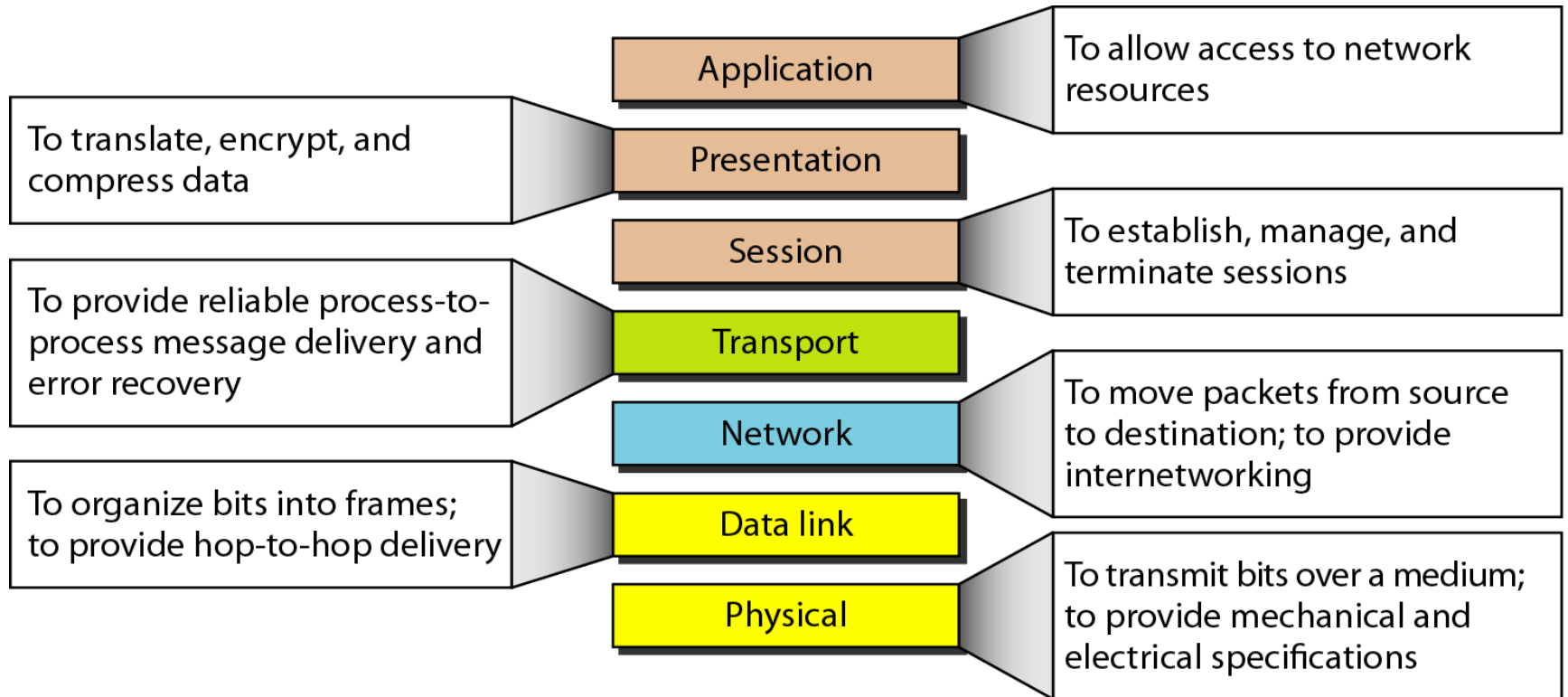
APPLICATION LAYER

The application layer is responsible for providing services to the user



LAYERS IN THE OSI MODEL

SUMMARY OF SEVEN LAYERS



Multiple Choice Question

MUTIPLE CHOICE QUESTIONS:

1. Which layer is responsible for process to process delivery in a general network model?

- a) network layer b) transport layer c) session layer d) data link layer

2. Which layer provides the services to user?

- a) network layer b) transport layer c) application layer d) data link layer

3. Transmission data rate is decided by _____

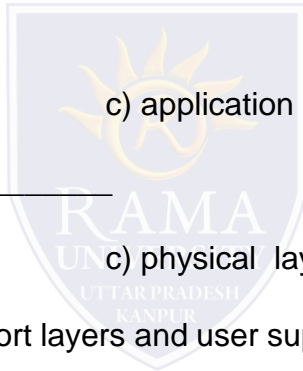
- a) network layer b) transport layer c) physical layer d) data link layer

4. Which layer is used to link the network support layers and user support layers?

- a) network layer b) transport layer c) physical layer d) data link layer

5. The OSI model defines layer 5,6,7 as thelayers

- A)Physical support B)network support C)user support D)none of above



REFERENCES

- <http://www.engppt.com/2009/12/networking-fourzan-ppt-slides.html>

