



Computer Networks

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计算机网络

COMPUTER NETWORK

考前辅导

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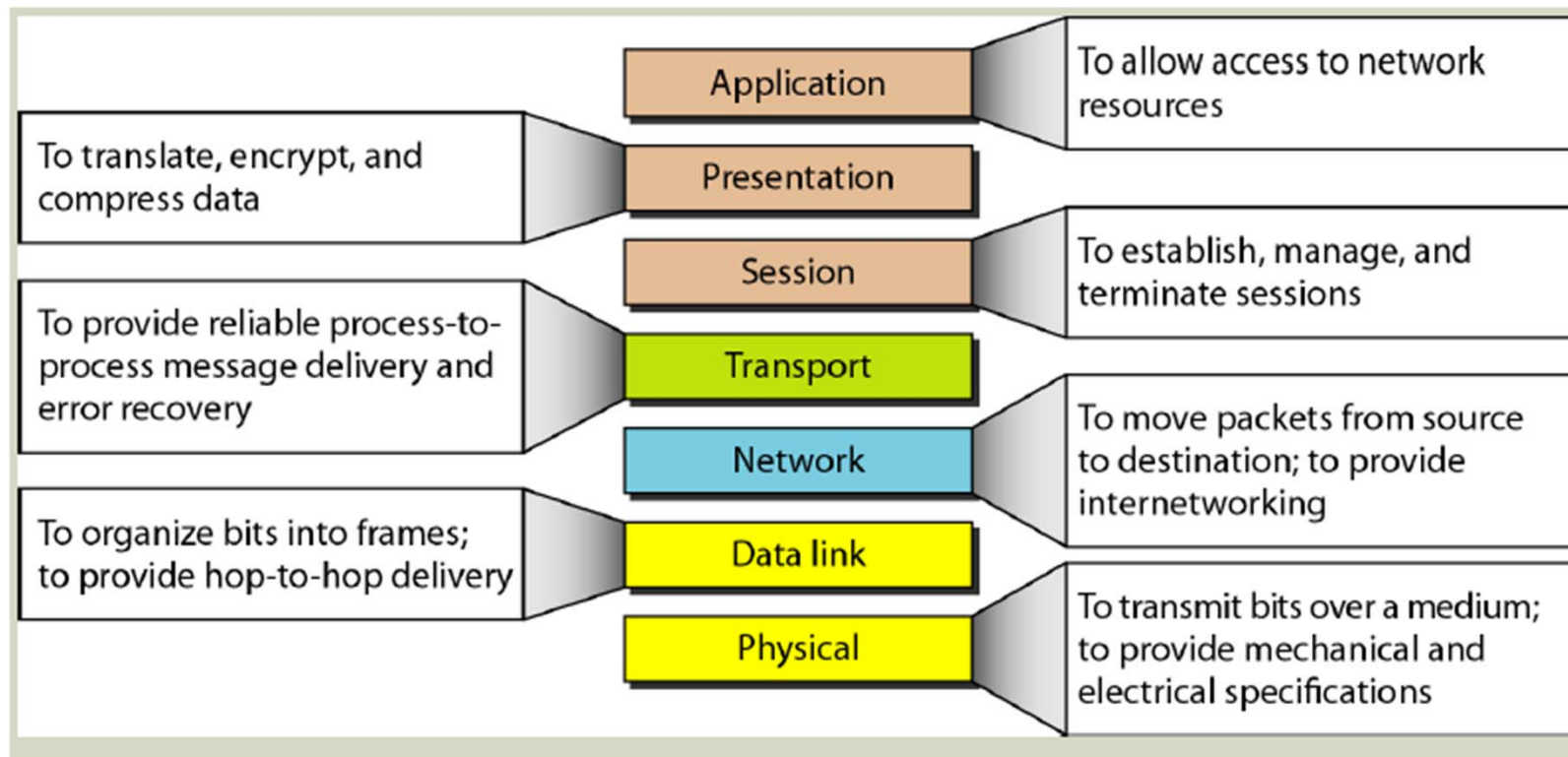
## 题型

- **Multiple Choice Questions**
  - 75 marks, 3 marks each
  - 25 questions
- **Written Exam**
  - 25 marks
  - 3 questions



# Architecture

- The OSI reference model
  - ISO standards committee





- The physical layer is
  - responsible for movements of individual **bits** from one hop (node) to the next.
- The data link layer is
  - responsible for moving **frames** from one hop (node) to the next.



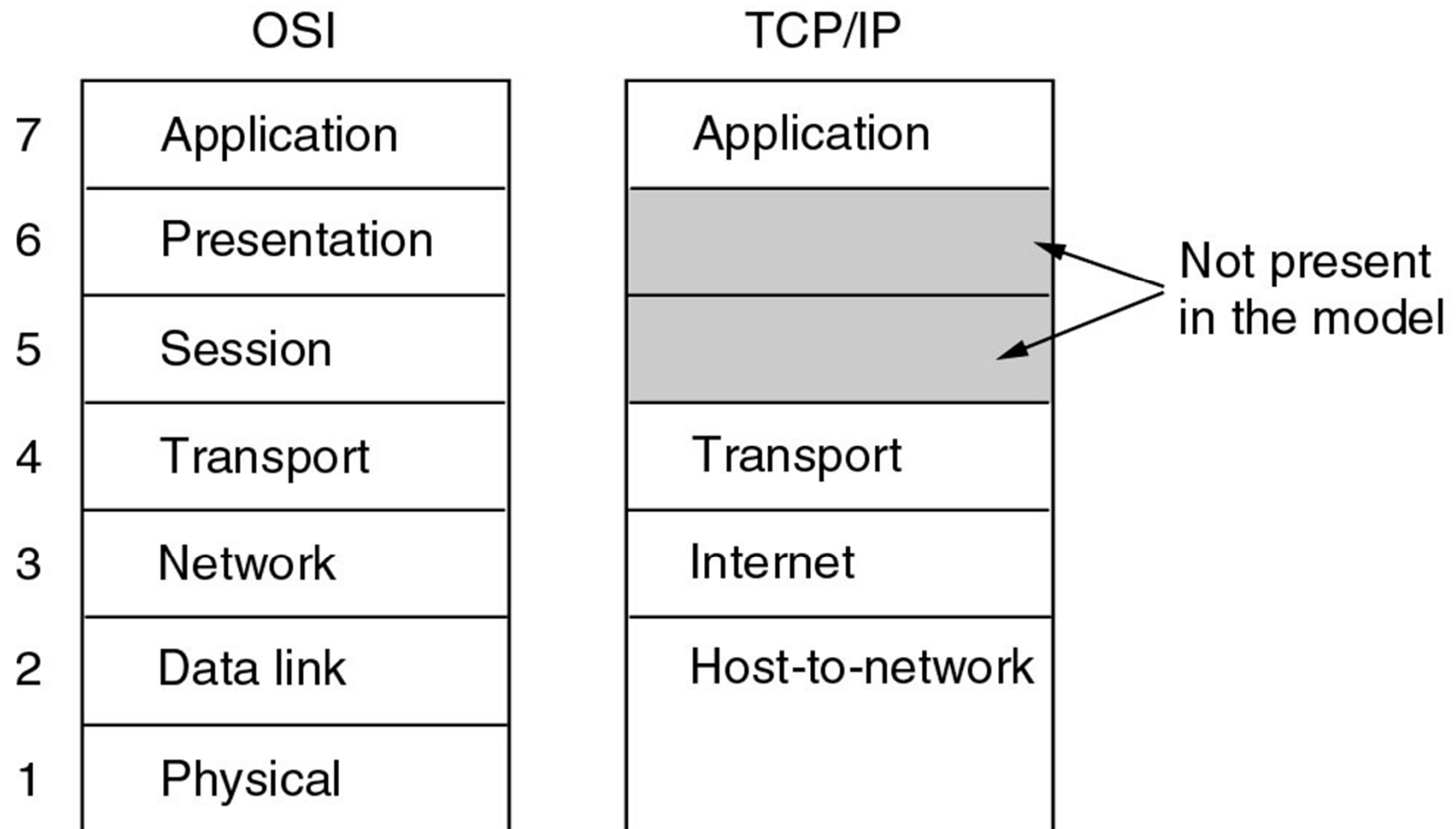
- The network layer is
  - responsible for the delivery of individual **packets** from the source host to the destination host.
- The transport layer is
  - Responsible for the delivery of a **message** from one process to another.



- The session layer is
  - Responsible for dialog control and synchronization.
- The presentation layer is
  - responsible for translation, compression, and encryption.
- The application layer is
  - responsible for providing services to the user.



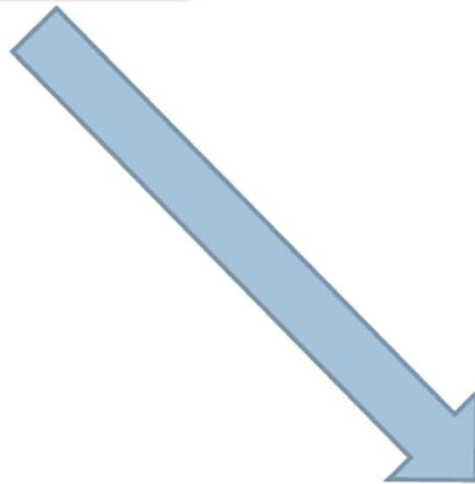
# TCP/IP





# Data link layer

*Data Link Layer*



*Logical Link Control*

*Media Access Control*





## Network layer

- IP
- ICMP
- ARP
- IPv4 address
- IPv6 address



## Network device

- Hub——physical layer
- Switch——data link layer
- Router——network layer



# Packet analysis

- Packet analysis