

The background features abstract, overlapping geometric shapes in various shades of blue, ranging from light sky blue to deep navy blue. These shapes are primarily located on the left and right sides of the slide, framing the central text area.

CN101.3

Data Communication and Computer Networks

Tutorial 2 - covers chapter 2 in Stallings textbook

Review Question 1

- ▶ What do you understand by the term *protocol* as used in data communication and networks?

Review Question 2

- ▶ Briefly describe the functions of a protocol architecture.

Review Question 3

- ▶ Name the layers in TCP/IP architecture from top to bottom; mention the functions provided by each layer and provide an example protocol for each layer.

Review Question 4

- ▶ Briefly describe the two levels of addressing used in TCP/IP architecture.

Review Question 5

- ▶ What was the driving force behind the development of IPv6? How many source and destination addresses can be generated by IPv4 and IPv6?

Review Question 6

- ▶ Briefly mention what you understand by the following applications:
 - ▶ SMTP
 - ▶ FTP
 - ▶ SSH

Review Question 7

- ▶ What do you understand by the term Multimedia? Mention few application domains of multimedia.

Review Question 8

- ▶ Describe the following two technologies associated with multimedia:
 - ▶ (1) JPG
 - ▶ (2) MPG

Review Question 9

- ▶ Describe the following two protocols associated with multimedia:
 - ▶ (1) RTP
 - ▶ (2) SIP