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## CHAPTER 25

# *Multimedia*

### Exercises

1.

a. **At 17 seconds**

first packet: 10 arrived, 9 played, 1 in buffer  
second packet: 2 arrived, none played, 3 in buffer

b. **At 20 seconds**

first packet: none left  
second packet: 5 arrived, 2 played, 3 in buffer

c. **At 25 seconds**

first packet: none left  
second packet: 10 arrived, 7 played, 3 in buffer

d. **At 30 seconds**

first packet: none left  
second packet: none left  
third packet: 3 arrived, 2 played, 1 in buffer

3. RTP plus UDP provides about the same services as TCP without the latter's retransmission policy.

5. The answer is yes. The protocol defines a server as a process running at the application level. The two servers can be on the same machine or different machines.
7. SIP just sets up and terminates a session between 2 parties. H.323 is a protocol suite that covers everything pertaining to the session. SIP is more flexible in its address formats. H.323 setup is more complicated than that of SIP.
9. Yes, H.323 can be used for video.