

CSC 469/569 COMPUTER NETWORKS MIDTERM STUDY GUIDE

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In addition to the concepts on the study guide for Quiz 1, you should be prepared to answer questions on the following concepts.

Nodal delay: processing delay, queueing delay, transmission delay; propagation delay.

Difference between packet switching and circuit switching.

The network layer: addressing and routing functions at the network layer. IPv4 and IPv6.

Transport layer: port numbers, TCP and UDP, difference between TCP and UDP, TCP connections.

Networked Applications: client-server and peer-to-peer; sockets and socket programming; server sockets; active and passive sockets; the binding sockets to endpoint addresses; Creating TCP servers and clients, multi-threaded servers.

Application protocols: binary and text-based protocols. HTTP, IMAP, POP3, DNS, and DHCP. The Telnet protocol and its use in debugging text-based protocols.