Midterm Exam I

문제

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100

CSE4175: Introduction to Computer Networks Dept. of Computer Science and Engineering Spring 2016

nt Number:

Problem 2: (10 points)

Describe the Web-based email service in reasonable detail.

Answer:

Problem 3: (10 points) DNS

Describe the authoritative DNS server.

Answer:

	cribe the .torrent file. wer:
At a	blem 5: (10 points total, 5 points each) BitTorrent ny given instant of time, a peer of a swarm has a subset of chunks and will know which chunks his/her neighbors be. With this information, how does a peer decide which chunks he/she should request first from his/her neighbors? Answer:
b)	explain and justify your answer. Answer:
Prol a)	blem 6: (20 points total, 10 points each) TCP segment Describe the role of the ACK flag in the TCP segment header. Answer:
b)	Describe the sequence number of a TCP segment. Answer:

Problem 4: (10 points) P2P File Distribution: BitTorrent

Des	blem 7: (10 points) TCP cribe the scheme, exponential weighted moving average. wer:
Pro a)	blem 8: (20 points total, 10 points each) TCP flow control Explain how the TCP sender gets information on the available receiver buffer size at the receiver side. Answer:
b)	Explain/describe the information maintained at the sender side used to perform the TCP flow control. Answer: