Ch2 HW Networks

(P) (a) F (b) F (c) D) F (e) F

- P4 a) request was http://gaia.cs.umass.edu/cs453/index.htm/
 - b) junnig HTTP us. 1.1
 - c) persistant connection
 - d) message is not found in an HTTP message
 - e) Mozilla/5.0
- PS a) The server was able to locate the document successfully. Reply was provided on Tues., 07 Mar 2008 12:39:45
 - b) index. html was last modified on Saturday 10 Dec 2005 16:27:46 GMT
 - C) 3874 bytes in document being returned
 - d) < ! doc. The server agreed to a persistant connection : keep-Alive lieb

a) Auline = (850,000 bits) / (15,000,000 bits/sec) = 6.05675EC

Traffic intensity = (16 regisec)(0.0567 sectreq) = 0.907

Av Time delag = (0.0567 sec) / (1-6.907) = 0.4

Total au Responce Time - G. Gsec +3sec = 3.6 sec

b) au access delag = (0.6567 sec) /[1-(0.4)(907)] = 0.089 sec

Ave Resp Time = 0.689sec +350 = 3689sec for cache missed (40%)

So Aue RespTime = (.6)(Osec) + (.4)(3.089) = 1.24 sec

P14) SMTP uses a line containing only aperiod to mark
the end of a msg body
HTP uses "Content-length header-field to indicate
the length of a message body

NO, HITP cannot use same method as SMIP, blc HITP message could be binary, where as SMIP must be 7-bitASCIT

PM) a) access email with POP3 C', dele1 C: retr2 S: E-- ... S: ~~) C: dele 2 C: quit 5: + 0 K POP3 server signing off b) C: retrz · 5; ~ ~ , , , 5: C: quit S: +OK POP3 Serversigning off yes, you can use dig to query that Website in P21 the local DNS server dig website com will return the query time for finding website, and if recently accessed, website is cached in local DNs cache , so query should

be Osec

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- (P 2Ce) a) Yes, as long as enough Peers are staging in the
 - b) les, Bob can run a client on each host let each "free-ride" and combine Collected Chunks from diff. hosts into single file
 - Peer 3 leans that Peer 5 has left System

 So Peer 3 asks first Successor (Peer 4) for identifier

 of imidiat successor (Peer 8)
 - P28) Peer 6 would send peer 15 a message about
 predicesor and succesor. Message gets forwarded through DHT until it reaches peer 5,
 - (P30) yes, randomly assigning Keys to peers does not concider underlying Network, so can Cause missmatch. Could degrade Search Performance