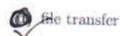
Multiple Choice

Choose the best answer for each of the following 8 questions, for a total of 8 marks.

- 1 1. Which of the following was one of the "big three" applications on the early Internet?
 - (a) BitTorrent
 - (b) World Wide Web
 - (c) secure shell



- (e) Crypto-Tweet
- 2. The leased transmission lines used to build the early Internet had data rates of about:



- (b) 256 kbps
- (c) 1.5 Mbps
- (d) 10 Mbps
- (e) 100 Mbps
- 3. What did Sir Tim Berners-Lee invent?
 - (a) TCP/IP
 - (b) electronic mail
 - (c) the Internet
 - (d) hyper-text documents



- 4. Fiber optic cables are superior to WiFi for physical-layer transmission because:
 - (a) the signals stay primarily within the guided media
 - (b) signals can propagate much further distances
 - (c) the data transmission rate is much higher
 - (d) the error rate is much lower
 - all of the above

5. In a TCP-based server, some typical system calls used are: 1 (a) socket() and connect() (in that order) (b) connect() and socket() (in that order) (c) accept() and listen() (in that order) Aisten() and accept() (in that order) (e) recvfrom() and sendto() (in that order) 6. How many "root" name servers are there in the Domain Name System? 1 (a) only 1 about 10 (c) about 100 (d) about 1,000 (e) about 1,000,000 7. Which of the following statements is true about TCP's "Slow Start" algorithm? 1 (a) the congestion window size cwnd increases linearly (b) and increases exponentially (c) cwnd remains constant (d) cwnd decreases linearly (e) cwnd decreases exponentially 8. With TCP Reno, the average throughput achieved by a TCP flow is: 1 (a) directly proportional to the average packet loss rate (b) directly proportional to the square root of the average packet loss rate (c) inversely proportional to the average packet loss rate mversely proportional to the square root of the average packet loss rate (e) none of the above