

IS 106 and E111 exam answer sheet

May 10, 1999

Name _____

1. a b c **d** e f
2. **a** b c d e f
3. a b **c** d e f
4. a **b** c d e f
5. **a** b c d e f
6. a b c d **e** f
7. a **b** c d e f
8. a b **c** d e f
9. **a** b c d e f
10. **a** b c d e f
11. a b c **d** e f
12. **a** b c d e f
13. a **b** c d e f
14. a b c **d** e f
15. a b **c** d e f
16. a **b** c d e f
17. a b c d e **f**
18. a b c d **e** f
19. a b **c** d e f
20. a **b** c d e f
21. a b c d **e** f
22. a **b** c d e f
23. a b **c** d e f
24. a **b** c d e f
25. a b c d **e** f
26. a b c d e **f**
27. a b c **d** e f
28. a b **c** d e f
29. **a** b c d e f
30. The structure and interpretation and meaning of data in the message.
31. Telephony and video on demand.
32. Sequence, selection, loop
33. Request-response and publish-subscribe and send-receive; TCP, FTP, HTTP
34. Prevent the sender of a message from later claiming that they did not send it or that it was modified in transit.
35. Restricting access to resources to authorized parties.
36. Authentication of the server and confidentiality of bi-directional messages.
37. From message digest cannot calculate a message with that digest, and cannot find two messages with the same digest.
38. Initialize, purchase, authorize, capture.
39. Sender replicates the information in simulcast, the network does it in multicast.
40. Congestion control reduces aggregate network traffic, flow control reduces traffic generated by one source controlled by its corresponding recipient.
41. Retransmission of lost packets.
42. It is voluntary, sender can still send whatever it needs to as long as it is willing to pay the price.
43. Reliable and ordered delivery of messages, congestion and flow control.