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Data Communication
Quiz 1 (Chapter1 & 2)
Time: 10 minutes.
Date: 19/9/2012

Student Name: Ahmed Ayash……………… ID: ………………….. Grade: ………………….

Question 1: True or False:

1. Packet Switching uses a dedicated communications path established for duration of conversation. (X)

2. Telephone network is an example of Packet Switching network. (X)

3. Frame relay uses variable-length packets, called frames, and ATM uses fixed-length packets, called cells. (√)

4. Frame relay networks are commonly used for terminal-to-computer and computer-to-computer communications. (X)

5. Flow control is required to assure that the source does not overwhelm the destination by sending data faster than they can be processed and absorbed. (√)

6. The OSI protocol architecture consists of five layers: physical, network access, internet, transport and application. (X)

7. The key elements of a Protocol are syntax, semantics, and error handling. (X)

8. In TCP/IP layers the network access layer concerned with exchange of data between an end system and attached network. (√)

9. User Datagram Protocol (UDP) can guarantee data delivery. (X)

10. In OSI model data link layer provides for the reliable transfer of information across the physical link; sends blocks (frames) with the necessary synchronization, error control, and flow control. (√)

11. SMTP provides a basic electronic mail transport facility. (√)

12. TFTP can transfer a maximum of 512 bytes per round trip. (√)

Question 2: Choose the correct answer:

1. An _____ uses Internet and Web technology in an isolated facility internal to an enterprise.

A. extranet	B. intranet
C. application network	D. Internet portal

2. The key elements of a simple communications model are _____.

A. source, signal, destination	B. source, signal, receiver
C. source, transmission, destination	D. signal, transmission, receiver

3. A network in which small chunks of data are passed through the network from node to node, and at each node the entire data chunk is received, stored briefly, and then transmitted to the next node, is a_____ network.

A. circuit switching	B. ATM
C. frame relay	D. packet switching

4. A variety of customizable services in the areas of network management and _____ are provided by today's networks.

A. quality of service (QoS)	B. security
C. synchronization	D. high-speed wireless access

5. The _____ layer contains the logic needed to support the various user applications.

A. application	B. transport
C. physical	D. internet

6. The _____ protocol architecture is a result of protocol research and development conducted on the experimental packet switched network ARPANET.

A. HTTP	B. OSI
C. TFTP	D. TCP/IP

7. The _____ reference model was developed by the International Organization for Standardization as a model for a computer protocol architecture and as a framework for developing protocol standards.

A. OSI	B. HTTP
C. TCP/IP	D. IP

8. The two commonly used transport level protocols used as part of the TCP/IP protocol suite are TCP and _____

A. FTP	B. SMTP
C. User Datagram Protocol (UDP)	D. IP