

**I. Multiple Choice (4% each): choose one answer only for each question**

1. A \_\_\_\_\_ is used to defines how users view the organization of data in a database.  
a. data dictionary    b. data mart    c. data model    d. report writer
2. The \_\_\_\_\_ is the method that the Internet uses for domain names and their corresponding IP addresses storage.  
a. domain name system (DNS)    b. top-level domain(TLD)  
c. File Transfer Protocol(FTP)    d. W3C
3. One way to protect users identities while browsing is to use a(n) \_\_\_\_\_, which is another computer that screens all incoming and outgoing messages of the users.  
a. password    b. anonymous FTP    c. phishing filter    d. proxy server
4. A \_\_\_\_\_ is a program or set of instructions in a program that allows malicious users to bypass security controls when accessing a program, computer, or network.  
a. zombie    b. botnet    c. back door    d. session cookie
5. A(n) \_\_\_\_\_ is a set of characters that the originator of the data uses to encrypt the message and the recipient of the data uses to decrypt the message.  
a. ciphertext    b. plaintext    c. public key    d. secret key
6. In the machine cycle, the \_\_\_\_\_ operation generates a program or application instruction or data item from memory.  
a. fetching    b. decoding    c. executing    d. storing
7. Which of the following items is NOT an example of a pointing device?  
a. touchpad    b. touch screen    c. trackball    d. pointing stick
8. \_\_\_\_\_ evaluates the amount of time it takes a storage device to locate an item on a storage medium and/or the time required to deliver an item from memory to the processor.  
a. Rpm(s)    b. Transfer time    c. Access time    d. Clock speed
9. A set of two or more integrated hard drives is called a(n) \_\_\_\_\_.  
a. RAID    b. SSD    c. HDD    d. EIDE
10. A \_\_\_\_\_ is a multiuser operating system that coordinates and organizes how multiple users access and share resources on a network.  
a. stand-alone operating system    b. server operating system  
c. virtual machine    d. multipurpose operating system
11. A(n) \_\_\_\_\_ network is a network architecture which is simple and inexpensive, and it typically connects fewer than 10 computers.  
a. protocol    b. WAN    c. extranet    d. P2P

12. With \_\_\_\_\_, the computer processes every transaction as it is entered.
- a. batch processing
  - b. inference rules
  - c. routing
  - d. online transaction processing

**II. True/False (4% each): Mark T for True and F for False**

1. An all-in-one desktop computer contains a separate tower.
2. A solid-state drive consists of one or more inflexible, circular platters that use magnetic particles to store data, instructions, and information.
3. The W3C is responsible for maintaining all networks and content on the Internet since it owns the Internet.
4. A subject directory is one type of software that finds websites, webpages, images, videos, maps, and other information related to a specific topic.
5. The disadvantages of a virtual server are that it is hard to manage and takes a long time to create and configure.
6. A router also can function as a hardware firewall.
7. An audit trail records in a file both successful and unsuccessful access attempts.

**III. Fill-in blank (4% each blank space): write down the answer for each blank space**

1. With a one-way sync, users can add, change, or delete files in a \_\_\_\_\_ location, without altering the same files in the \_\_\_\_\_ location.
2. Visitors to a \_\_\_\_\_ webpage all see the same content each time they view the webpage; however, with a \_\_\_\_\_ webpage, by contrast, the content of the webpage generates each time a user displays it.
3. Form factors for servers include rack server, blade server, and \_\_\_\_\_ server.
4. Public key encryption also is called \_\_\_\_\_ encryption.