

Applied Information Technology

Unit 3B

Storage

Name: _____

Multiple Choice Questions – Circle the letter of the correct answer (1 mark each)

1. A group of two or more integrated hard disks is called a
 - a. backup
 - b. disk cache
 - c. portable hard disk
 - d. RAID

2. The speed with which data, instructions and information transfer to and from a device is called
 - a. the access time
 - b. the transfer rate
 - c. formatting
 - d. reading

3. Traditionally, hard disks stored data by using a method, which aligned the magnetic particles vertically to the disk's surface, making much greater storage capacities possible. This is known as
 - a. LightScribe technology
 - b. RAID
 - c. perpendicular recording
 - d. longitudinal recording

4. What is the type of storage media that consists of a flat round portable disk made of metal, plastic and lacquer that is written to and from by a laser
 - a. optical disk
 - b. hard disk
 - c. thumb drive
 - d. memory card

5. Many personal computers today include a CD-RW drive as a standard feature so users can ____ their own discs.
 - a. raid
 - b. scratch
 - c. scan
 - d. burn

6. Every computer ____ system software and application software.
- a. inputs
 - b. stores
 - c. outputs
 - d. produces
7. Some ____ contain write-protect switches, which prevent users from accidentally erasing photos and other items stored on the flash memory chips.
- a. SSD's
 - b. CD-ROMs
 - c. smart cards
 - d. memory cards
8. The process of dividing the disk into tracks and sectors, so that the operating system can store and locate data and information on the disk is called
- a. fetching
 - b. decoding
 - c. formatting
 - d. burning
9. The memory chip on a hard disk that stores frequently accessed items such as data, instructions and information is called the
- a. disk memory
 - b. disk cache
 - c. disk store
 - d. disk RAM
10. The smallest unit of disk space on a magnetic disk that stores data and information is called a
- a. cluster
 - b. sector
 - c. storage medium
 - d. access unit

Short Answer Questions (2 marks each)

11. What is online storage and why is it becoming more popular?

12. Removable Hard Drives with storage capacities greater than a terabyte are becoming very popular. Give two reasons why these drives are being used

13. Give two examples of Miniature Hard Drives and how they may be used?

14. Why has the USB flash drive made the floppy disk drive obsolete?

15. What are Flash Memory Cards and why are they different from miniature hard disks?

16. What will Miniature Mobile Storage Media allow you do?

17. Many credit cards are now called Smart Cards. What has changed in credit cards over recent years?

18. Libraries and other large organizations still use microfilm and microfiche. What is the advantage of using this type of media?

19. What is the difference between a CD-R and a CD-RW?

20. What are two advantages of a DVD-ROM over a CD-ROM?

Extended Answer Question (10 marks)

21. Should the world become a cashless society?

- Some forecasters say that the world is moving toward a cashless society and one form of payment that could end the need for cash is the smart card, which can store a dollar amount on a thin microprocessor and update the amount whenever a transaction is made. A cash payment is usually anonymous yet a smart card purchase preserves a record of the transaction that could become available to other merchants, advertisers, government agencies or hackers.
- Discuss two advantages and two disadvantages of the world becoming a cashless society? Would you be comfortable only using a smart card?

This image shows a single sheet of white paper with horizontal ruling lines. The lines are evenly spaced and run across the width of the page. There are no margins, text, or other markings on the paper.