

# 臺中健康暨管理學院九十一學年度大學部轉學招生考試試題紙

系 別	考試科目	考試日期	時 間	備 註
資訊管理學系	計算機概論	八月二十四日	10:50 ~ 12:10	共二頁

## I. 是(0)非(x)題：(15%)

1. RAM stands for "readable access memory".
2. The purpose of storage devices is to hold data temporarily.
3. The control unit directs the flow of data through the CPU, and to and from other devices.
4. Dynamic RAM chips do not need to be recharged with electricity very often, and can hold their contents longer than static RAM chips.
5. In network communications, the term *media* refers to the means by which data is transmitted, such as wires.
6. A memory address is a number that indicates a location on a memory chip, and helps the CPU located data in memory.
7. The term *word size* refers to the amount of data that can be stored in a computer's registers.
8. In parallel processing, multiple computer systems are connected together to share the processing workload.
9. To write data to a magnetic disk, the drive's read/write head uses an electromagnet to apply magnetic fields to the disk's surface.
10. The individual computers on a network are called gateways.
11. Arithmetic and logical operations are actually carried out by the CPU's arithmetic logic unit.
12. Diskettes are commonly used to move files between computers that are not connected through network or communications hardware.
13. Storage and memory are the same thing.
14. Dot pitch is a critical specification to consider when evaluating a color monitor.
15. A computer sees letters of the alphabet the same way you do, as letters.

## II 配合題(30%)

(甲) 將下列項目(a-d)配合到正確的(1-7)描述。

- |               |                 |
|---------------|-----------------|
| a. Size       | c. Refresh rate |
| b. Resolution | d. Dot pitch    |

1. Should not be more than .28mm
2. Measuring diagonally in a monitor
3. Look for 72 Hz or higher
4. Number of pixel for screen
5. Space between dots in a pixel
6. The norm is creeping up
7. Measured in cycles per second

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(乙) 將下列項目(a-c)配合到正確的(8-12)描述

- a. Decimal number system
- b. Binary number system
- c. Text code

- 8. Used by computer
- 9. Used by people
- 10. ASCII
- 11. Uses numbers to represent letters or symbols
- 12. Represents the states of switches

(丙) 將下列項目(a-d)配合到正確的(13-15)

- a. LAN
- b. WAN
- c. Sever
- d. Node

- 13. Can be two LANs connected together
- 14. An individual computer on a network
- 15. Can be as same as two or three PC's

III. 簡答題(55%)

1. 請解釋 pipelining 是如何工作的。(5%)
2. 請解釋記憶體(memory)與儲存器(storage) 的相異之處。(10%)
3. 如何評估螢幕的規格, 有哪些重要的評估點。(5%)
4. 何謂 ADSL 及 DSL ? (5%) 有何差別? (5%)
5. 就區域網路而言, 有幾種網路拓模邏輯(network topologies)?  
並請個別描述其特性及差異為何。(10%)
6. 何謂機器週期(machine cycle) (5%) ?  
此機器週期又可分成哪些小週期? 其每個週期包含哪些步驟, 並請解釋之。(10%)