✓　本試卷共分三大題型，滿分為 100 分。
✓　不可使用計算機、翻譯機。

一、選擇題（單選，每題 5 分，共 50 分）

1. One scam that lures Internet users into revealing personal information is
   (A) malware.
   (B) phishing.
   (C) spam.
   (D) Internet hoax.

2. A device that tracks movement is a
   (A) PSS.
   (B) RFID tag.
   (C) PDA.
   (D) patient simulator.

3. The Internet has its roots in a networking project started by the Pentagon's ____, an agency of the U.S. Department of Defense.
   (A) NSFnet
   (B) ARPA
   (C) MPEG
   (D) VoIP

4. Some computers improve hard disk access time by using a disk ____, which consists of memory chips that store frequently accessed items.
   (A) warehouse
   (B) cache
   (C) base
   (D) home

5. Commonly used nonimpact printers include all of the following EXCEPT ____.
   (A) ink-jet printers and photo printers
   (B) laser printers and thermal printers
   (C) mobile printers and label and postage printers
   (D) line printers and dot-matrix printers

6. On a network such as the one illustrated in the accompanying figure, the central device that provides a common connection point for nodes on the network is called the ____.
   (A) hub
   (B) personal computer
   (C) printer
   (D) file server

7. Application software:
   (A) is another name for system software.
   (B) helps maintain the resources of the computer.
   (C) includes products like MS Office, tax software, and video editing packages.
   (D) Both A and C

8. Which of the following provides the fastest broadband Internet connection by transmitting data at the speed of light ?
(A) Cable
(B) DSL
(C) Fiber-optics
(D) Satellite

9. Personal desktop computers use a _____ operating system
(A) real-time
(B) single-user, single-task
(C) single-user, multitask
(D) multiuser

10. The processor relies on a small quartz crystal circuit called the ____ clock to control the timing of all computer operations
(A) system
(B) unit
(C) control
(D) master

二、是非題（每題 5 分，共 25 分）

1. The two categories of software are system software and utility software.

2. A MAN typically includes one or more WANs like those shown in the accompanying figure, but covers a smaller geographic area than a LAN.

3. While a computer is running, the operating system remains in memory.

4. When your computer runs out of RAM, the operating system borrows space from the CPU.

5. The Web and the Internet are interchangeable terms.

三、問答題（每題 5 分，共 25 分）

1. 請解釋下列圖示在流程圖中分別代表什麼意思。（5%）
(1)【 ◯ 】(2)【 ⬭ 】 (3)【 → 】(4)【 ◇ 】 (5)【 ▭ 】

2. 何謂「Moore's Law」，請詳細說明之。（5%）

3. 試說明何謂「Virtual Memory」，其產生的原因、以及執行步驟為何。（5%）

4. 試說明何謂「ISP」，並舉例說明之。（5%）

5. 試說明何謂「Freeware」及「Shareware」，當中此兩種軟體有何差異？ （5%）