Multiple Choice Questions (10%)

C C 1. Which of the following is not a way of classifying networks?
A. WAN versus LAN   B. Closed versus open   C. Router versus bridge   D. Star versus bus

B B 2. Which of the following connects existing networks to form an internet?
A. Bridge   B. Router   C. Switch   D. Repeater

C C 3. Which of the following is assigned the task of providing individual users access to the Internet?
A. Tier-1 ISPs   B. Tier-2 ISPs   C. Access ISPs   D. ICANN

A A 4. The primary purpose of which of the following is not the enhancement of security?
A. ICANN   B. Firewall   C. Encryption   D. CERT

B B 5. Which layer of the TCP/IP hierarchy chops messages into units whose size is compatible with the Internet?
A. Application   B. Transport   C. Network   D. Link

Fill-in-the-blank/Short-answer Questions (90%)

1. What is the difference between a repeater and a bridge? (8%)

repeater：將所有訊息全部轉送另一端的Bus，repeater 不會
bridge：只將訊息的地在另一端 Bus 的訊息轉送。

2. What is the primary difference between using Telnet and SSH to connect to a remote server? (8%)

Telnet：明文 傳輸
SSH： 有加密。
Telnet 用明碼(導輸)
SSH 會經過加密

3. What are some distinctions between UDP and TCP? (8%)
TCP：較穩定、較慢
UDP：無狀態式連線
較不穩定、較慢。
UDP 不可靠、較快、connectionless
TCP 可靠、較慢、Connection oriented
資料封裝

4. Write the entire URL required to retrieve the Web document named bulldogs.html from the Webserver at animals.org assuming that the document is stored in the directory named dogs. (8%)

http://animals.org/dogs/bulldogs.html
Ans: http://animals.org/dogs/bulldogs.html

5. In each blank below write the HTML tag that performs the indication function. (10%)
A. `<P>` Begins the part that describes what will appear on the computer screen `<body>`
B. `</html>` Marks the end of the HTML document `</html>`
C. `<P>` Marks the beginning of a paragraph `<P>`
D. `</a>` Marks the end of a term that is linked to another document `</a>`

6. Fill in the blank in the following HTML document so that the image called dog.jpg will be displayed at the top of the page. (8%)

```
<body>
<img src="dog.jpg">
<p>Above is a picture of Fido.</p>
</body>
```

[handwritten:] <img src="dog.jpg">

7. Fill in the blanks with the missing tags to the following HTML document. (8%)

```
<html>
<head>
<title>Title </title>
</head>
<body>
<p>Click on
<a href="http://this..org"> this. </a>
</p>
</body>
</html>
```

[handwritten:] <title> <body> </p>

8. What terms in the following HTML document are linked to other documents? (8%)

```
<html>
<head>
<title>This is the title</title>
</head>
<body>
<h1>Favorite Animals</h1>
<p>Of all the animals in the world, the
<a href="http://pigs.org/pigs.html">pig</a> is
perhaps the most charming.</p><p>However, the
<a href="http://hippopotamuscity.org/hippo.html">
hippopotamus</a> is also cute.</p>
</body>
</html>
```

[handwritten:] Ans: pig, hippopotamus.

Ans: pig, hippopotamus ✻

9. List two e-mail related protocols. (8%)

[handwritten:] POP3   POP3、IMAP

~~IMAP~~ SMTP ~~IMAP~~

10. List four top-level domains. (8%)

[handwritten:]
org   us   .tw   .edu
Com   .org
Tw   .gov

-8 11. Identify two protocols used in networks to determine the right to transmit an original message. (8%)

[handwritten:]
CSMA/CD、   TCP
CSMA/CA   UDP
              Ans: CSMA/CD, CSMA/CA ✻