

本試題是否可以使用計算機: 可使用, 不可使用 (請命題老師勾選)

Part I: 名詞解釋 [20% in total; 5% for each term]

Please briefly explain the following terms

1. S-HTTP
2. VoIP
3. ActiveX
4. Buffer overflow

Part II: 單選題 [55% in total; 5% for each question]

Please identify the correct answers. There is only one correct answer for each question.

1. Which of the following is one of the functions of TCP/IP?
 - a. Prevents loss of data.
 - b. Eliminates duplicate packets.
 - c. Sends confirmation when the packet is received.
 - d. Enables reliable and error-free communication over the net.
 - e. All of the above.
2. Which of the following does the computer memory store?
 - a. The operating system and other system software that control or maintain the computer and its device.
 - b. Application programs that carry out a specific task.
 - c. The data being processed by application programs.
 - d. All of the above.
3. Which of the following is a 16-bit coding scheme that can represent more than 65,000 characters and symbols, enough for almost all the world's current written languages?
 - a. ASCII
 - b. Microcode
 - c. Unicode
 - d. EBCDIC
 - e. None of the above
4. Which of the following is a malicious program that replicates itself to other computers?
 - a. Trojan horse
 - b. Spyware
 - c. Sniffer program
 - d. Virus
 - e. None of the above
5. Which of the following is NOT true?
 - a. A computer worm can replicate itself to other computers.
 - b. A computer virus can run itself.
 - c. A computer worm can run itself.
 - d. Both computer worms and viruses can use files as hosts to hide inside.
 - e. All of the above.

(背面仍有題目,請繼續作答)

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科目: 計算機概論

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3. What is the output of the following C++ program? [5%]

```
#include <iostream.h>
int main () {
    for(int x=1; x<=10; ++x) {
        if(x==5)
            ++x;
        cout << x << ' ';
    }
    cout << endl;
    return 0;
}
```