

系所組別： 交通管理科學系丙組

考試科目： 計算機概論

考試日期： 0306 · 節次： 3

※ 考生請注意：本試題 可 不可 使用計算機

1. Convert the decimal number 228 to binary number and hexadecimal number. (10%)
2. What are the ASCII code and Unicode? What is the rationale for creating the Unicode encoding system when we already have well-established systems like ASCII? (15%)
3. What are the MAC address and IP address? Describe the reasons that we need the two kinds of addresses for a computer. (15%)
4. Describe the methods that can protect your computer from virus attacks. (15%)
5. What is the cloud computing? Please describe it in detail. (15%)
6. Write a C/C++ code segment that will produce the following sequence: (15%)
6, 8, 10, 12,, 166.
7. Write a C/C++ code segment that can solve the equation: $ax^2+bx+c=0$. (15%)