大同大學九十學年度轉學考試試題

*考試科目:計算機概論

系別:資訊工程學系 級別:二年級

第1頁共3頁

註:本次考試 不可以參考自己的書籍及筆記; 不可以查字典; 不可以使用計算器。

一、造	選擇題(單選題, 每題二分) 40%:〔※請依題號順序答於答案卷上〕		
1.	The page is the first page of information at each Web site. a. starting b. desktop c. home d. source		
2.	Each of the following is a storage device except a a. CD-ROM drive b. modem c. hard disk drive d. floppy disk drive		
3.	require special software that can recognize how to divide up problems and bring the results back together again. a. Parallel processors b. Coprocessors c. Microprocessors d. Pipeline processors		
4.	Many computers improve their processing efficiency by using high-speed between the CPU and main RAM memory a. RAM cache memory b. flash RAM c. ROM cache memory d. flash ROM		
5.	The decimal number represented by binary 10001 is a. 11 b. 13 c. 16 d. 17		
6.	Data is written to both sides of a hard disk in concentric circles called, which are further divided into a. sectors, tracks b. cylinders, tracks c. tracks, sectors d. sectors, cylinders		
7.	The is a global network of computer networks used daily by individuals and businesses. a. Interactive Services Network b. Internet c. Hub d. Electronic Data Interchange		
8.	For telephone lines to carry digital signals, a special piece of equipment called a is used to convert between digital signals and analog signals. a. gateway b. router c. modem d. bridge		
9	A(n) is a combination of a user name and the domain name that identifies the location of the mailbox computer. a. Uniform Resource Locator b. Internet protocol address c. Internet mailbox address d. Internet service provider		
10.	In operating system terms, a(n) is a program or part of a program that can be executed separately. a. process or task b. charge or load c. job or assignment d. chore or devoir		
11.	The BIOS is stored a. in a read-only memory (ROM) chip b. on the hard disk c. in a random-access memory (RAM) chip d. on a floppy disk		

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第2頁共3頁

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12.	A computer virus is a(n)
	a. input device
	b. output device
	c. program
	d. peripheral
13.	operating systems used on personal computers usually support a single user running multiple programs at one time.
15.	a. Single tasking
	b. Multiprocessor
	c. Virtual machine
	d. Multitasking
	<u></u>
14.	The levels in the hierarchy of data include all of the following except
	a. folders and paths
	b. bits and bytes
	c. fields and records
	d. files and databases
15.	Records stored are retrieved one record after another, in the same order in which they are stored.
	a. directly
	b. immediately
	c. sequentially
	d. randomly
16.	A(n) is a set of words, symbols, and codes that enables a programmer to communicate with the computer.
	a. programming language
	b. assembler
	c. pseudocode
	d. interpreter
17.	language is machine-independent.
	a. Assembly
	b. High-level
	c. Low-level
	d. Machine
18.	A(n) converts an entire source program into machine language at one time.
	a. object program
	b. assembler
	c. interpreter
	d. compiler
	to the state of th
19.	Using the object-oriented approach, the programmer packages the data and program into a single unit called a(n)
	a. object
	b. source
	c. query
	d. database
	the state of the s
20.	In object-oriented programming, the capability to combine methods with attributes into a single object is called
	a. inheritance
	b. debugging
	c. looping
	d. encapsulation
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ニ、	問答題 60%: [※請依題號順序使用中文或英文作答於答案卷上]
1.	(a) When our programs start, three text files are automatically opened for us. What are these three files?
	the state of the s
12%	
	(c) Explain and state the difference between the Local Variables and the Global Variables.
	(d) What are the three important concepts in program organization that C++ expands on the C language?

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第3頁共3頁

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```
What does the following C program print? [※請標明本題之各小題題號順序作答]
2.
20%
      #include <stdio.h>
       int x[]={0,1,2,3,4,5,6,7,8,9}; /*The address of x[0] is FF00h */
      main()
               i=0, *p, *endptr;
              a = 1, b = 2, c = 3, d = 9;
        int
         p=&x[4]; printf("value 1 = %d \n", *p); /*(1)*/
                                                               b=0010
         p=&x[1]; printf("value 2 = %d \n", x[i]); /*(2)*/
                                                               C= 6011
         p=&x[++i]; printf("value 3 = p \n", p); /*(3)*/
         p=x+i; printf("i=%d value 4 = %d \n", i, *(p+i)); /*(4)*/
                                                                                        000000 /
                                                                      p=x+4; printf("value 5 = %d \n", *p); /*(5)*/
         p=x+4; i=1; printf("value 6 = %d \n", *(p-i)); /*(6)*/
                                                                0011
         printf("%d \n", a | c);
                                       /*(7)*/
         printf("%d \n", a ^ b & c);
          printf("%d \n", (a <<= 3) & b); /*(9)*/
         printf("%d \n", (d >>= 1) | b); /*(10)*/
         return 0;
```

3. (a) Use the C statements to declare and initialize the two-dimensional array with the following contents:

75	93	78
100	86	98
73	45	63
74	83	66
65	55	89
78	78	53
96	67	70
	100 73 74 65	100 86 73 45 74 83 65 55

*a[a]

a= (0,0)

a+1 (0.0)

(b) Write a C program to print average on each column. (Note: You must use pointers to traverse columns.)

4. What does the following C program do? If you enter two integers: 7 and 15, what will the output show?

5. Write a recursive C function power (base, exponent) that when invoked returns (10%)

10% base exponent

10%

8%

For example, power (4, 3) = 4 * 4 * 4. Assume that exponent is an integer greater than or equal to 1.

P(2,2)+2 P(2,1)+2+2 P(2,0)+2+2+2