

銘傳大學 96 學年度研究所碩士班招生考試
管理研究所碩士班(甲組)
財務金融學系碩士班
傳播管理研究所碩士班(丙組)
資訊管理學系碩士班
第一節

計算機概論試題

(第 2 頁共 1 頁)
(限用答案本作答)

一、選擇題(60%)：每題答對得兩分，答錯或空白得零分

1. The largest network in the world is called the *a. Internet b. WWW c. HINET d. TANET e. FTP*
2. The most important system software program is the _____. *a. word processor b. database management system c. operating system d. application software e. information system*
3. Which of the following computer types is the smallest? *a. mainframe b. microcomputer c. supercomputer d. workstation e. minicomputer*
4. A step-by-step solution to a problem is called _____. *a. hardware b. an operating system c. a computer language d. an algorithm e. ASCII*
5. Which of the following is a secondary storage device? *a. RAM b. cache c. floppy-disk d. printer e. monitor*
6. Language translators (or compilers) convert human language into _____. *a. machine language b. UNIX c. assembly language d. operating systems e. JAVA language*
7. Web site addresses are called _____. *a. HTML b. home pages c. URLs d. hyperlinks e. TCP/IP*
8. The most common input devices are the _____ and the _____. *a. keyboard, printer b. mouse, monitor c. printer, monitor d. keyboard, microphone e. mouse, keyboard*
9. What is the domain name in the email address *kayla@pit.arc.nasa.gov*? *a. kayla b. pit.arc.nasa.gov c. kayla@pit.arc.nasa.gov d. nasa.gov e. gov*
10. The IP address is currently _____ bits in length. *a. 4 b. 8 c. 16 d. 32 e. 64*
11. The _____ layer of OSI model organizes bits into logical data units called frames. *a. physical b. data-link c. network d. transport e. session*
12. Which topology uses a hub or switch? *a. bus b. ring c. star d. all of the above e. none of the above*
13. *a. FTP b. SMTP c. TELNET d. HTTP e. SSL* is a protocol for file transfer.
14. DOS is considered a _____ operating system. *a. batch b. time-sharing c. parallel d. personal e. multitasking*
15. A system with more than one CPU requires a _____ operating system. *a. batch b. time-sharing c. parallel d. distributed e. network*
16. *a. An operating system b. Hardware c. A queue d. An application program e. An anti-viruses program* supervises and manages the activity of each component in a computer system.
17. Multiprogramming requires a _____ operating system. *a. batch b. time-sharing c. parallel d. distributed e. network*
18. The only language understood by computer hardware is a _____ language. *a. C/C++ b. symbolic c. high-level d. natural e. machine*
19. _____ is a basic algorithm that arranges data according to their values. *a. Inquiry b. Sorting c. Searching d. Recursion e. Summation*
20. C, C++, and JAVA can be classified as _____ language. *a. machine b. symbolic c. high-level d. natural e. assembly*
21. JAVA is a(n) _____ language. *a. procedural b. functional c. declarative d. object-oriented e. assembly*
22. HTML, PERL, and SQL fall under the classification of _____ language. *a. modern b. special declarative c. object-oriented d. nature e. assembly*

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24. A gateway operates at ___ of the OSI model. *a.* first layer *b.* first two layers *c.* first three layers *d.* all layers *e.* none of the above
25. The ___ memory contains a copy of a portion of main memory to speed up execution. *a.* CPU *b.* monitor *c.* printer *d.* ROM *e.* cache
26. In ___, only one program can reside in memory for execution. *a.* monoprogramming *b.* multiprogramming *c.* partitioning *d.* paging *e.* none of the above
27. A standard data type in the C/C++ language is not including *a.* int *b.* char *c.* float *d.* array *e.* both float and array
28. The ___ controller features a parallel interface and daisy-chained connection for I/O devices. *a.* SCSI *b.* FireWire *c.* USB *d.* IDE *e.* all of the above
29. Random Access Memory (RAM) is a kind of ___ storage. *a.* permanent *b.* smart *c.* temporary *d.* expansion *e.* cache memory
30. ___ search is usually applied to an ordered list. *a.* Sequential *b.* Binary *c.* Bubble *d.* Insertion *e.* Selection

二、簡答題(40%)：答錯或空白得零分

1. Convert the following five base ten (decimal) representations to their equivalent two's complement forms using patterns of 8 bits: (10%)

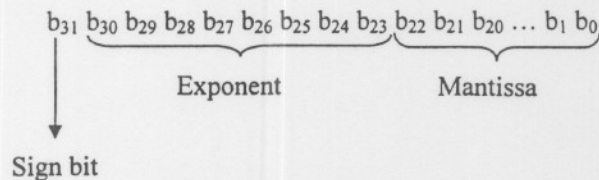
- a.* 6 *b.* -17 *c.* -1 *d.* 0 *e.* 1

2. The IEEE 32-bit floating point standard is given below. The leftmost bit is the sign bit; the next eight bits denote the Exponent Field and the remaining twenty-three bits denote the Mantissa Field.

(a) Convert the value 5.025 (decimal representations) into its IEEE 32-bit floating point format. (5%)

(b) Interpret the following 32-bit floating point number to its decimal representation. (5%)

1 01111100 110011000000000000000000



IEEE 32-bit floating point format

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3. Identify the body of the following loop structure and count the number of times it will be executed. (5%)

What happens if the test is changed to **while** (Count not 6)? (5%)

4. What are the five basic components that make up a computer? (10%)

試題完