

西南大学 计算机与信息科学学院(软件学院)

《 计算机科学导论 》课程试题 【B】卷

2009～2010 学 年 第1学 期								期 末 考 试			
考试时间	120 分钟	考核方式	闭卷笔试	学生类别	本科	人数					
适用专业或科类	计算机与信息科学学院各专业							年 级	2009 级		
题号	一	二	三	四	五	六	七	八	九	十	合计
得分											
签名											

阅卷须知：阅卷用红色墨水笔书写，得分用阿拉伯数字写在每小题题号前，用正分表示，不得分则在题号前写 0；大题得分登录在对应的分数框内；统一命题的课程应集体阅卷，流水作业；阅卷后要进行复核，发现漏评、漏记或总分统计错误应及时更正；对评定分数或统分记录进行修改时，修改人必须签名。

特别提醒：学生必须遵守课程考核纪律，违规者将受到严肃处理。

一. Single Choice (30 Points)

1. The equipment that processes data to create information is called _____.
a) program
b) compiler
c) hardware
d) software
2. Which computer equipment that allows a computer to connect to other computer systems to share data and information _____.
a) Printer
b) Input device
c) Output device
d) Communicate device
3. The most essential part of an information system is _____.
a) people
b) hardware
c) software
d) data
4. In URLS, “http://” presents _____.
a) client

- b) server
 - c) the domain name
 - d) the protocol
5. The rules or guidelines for people to follow when using software, hardware and data is called ____.
- a) program
 - b) procedure
 - c) hardware
 - d) software
6. Programs that make copies of files to be used in case the originals are lost or damaged are called ____.
- a) antivirus programs
 - b) diagnostic programs
 - c) backup programs
 - d) uninstall programs
7. ____are programs that are automatically start and operate as a part of a web browser to fully experience the content of a web site.
- a) Plug-ins
 - b) Applets
 - c) Providers
 - d) Add-ons
8. ____ provides additional information and requests user input.
- a) Buttons
 - b) Toolbar
 - c) Pointer
 - d) Dialog box
9. In a network, the client computers will use____ operating system.
- a) network
 - b) stand-alone
 - c) embedded
 - d) none of
10. Files that are broken into small parts and stored wherever space is available are said to be ____.
- a) uninstalled
 - b) fragmented
 - c) compressed
 - d) lost
11. _____ is a standard that allows musical instruments to connect to the system unit.
- a) Instruction
 - b) OMR
 - c) MIDI
 - d) Input devices
-

密
封
线

12. _____ loop structure will perform the codes before checking the condition.
- a) DO UNTIL
 - b) DO WHILE
 - c) IF-THEN-ELSE
 - d) DO WHAT
13. DBMS are comprised of tables that made up of rows called _____ and columns called _____.
- a) fields, records
 - b) records, fields
 - c) addresses, fields
 - d) records, range
14. Image editors and paint programs are used for creating and editing _____.
- a) HTML codes
 - b) vector images
 - c) text
 - d) bitmap images
15. The microprocessor has two basic parts: Control unit and _____ .
- a) ROM
 - b) Arithmetic-logical unit
 - c) Bus
 - d) Socket
16. A concentric ring on a disk is referred to as a _____.
- a) Track
 - b) Table
 - c) Unit
 - d) Segment
17. In a directory or _____ search, you select a category that fits the information you want.
- a) Packet
 - b) Index
 - c) Keyword
 - d) Specialized
18. _____ indicates the distance between each pixel on the monitor.
- a) Refresh rate
 - b) Resolution
 - c) Size
 - d) Dot pitch
19. _____ buses, connect CPU to slots on the mother board.
- a) Address
 - b) data

- c) system
 - d) expansion
20. A(n) _____ chip contains essential information which is required every time the computer system is turned on, it doesn't lose its content when power is off.
- a) ROM
 - b) RAM
 - c) ALU
 - d) CMOS
21. The procedural language must be translated into machine language, this translation is performed by either a compiler or _____.
- a) operating system
 - b) assembler
 - c) interpreter
 - d) analyst
22. _____ ports are used to replace serial and parallel ports, are faster.
- a) Serial
 - b) Parallel
 - c) HPSB
 - d) USB
23. Many expert systems use _____, which allows users to respond to questions in a human way.
- a) Story boards
 - b) Fuzzy logic
 - c) Programs
 - d) perception systems
24. _____ is a kind of binary coding schemes which is designed to support international languages, uses 16 bits.
- a) ASCII
 - b) EBCDIC
 - c) Unicode
 - d) Binary system
25. When a program makes a true or false decision, it is an example of a(n) _____ logic structure.
- a) if-then-else
 - b) what-if
 - c) do until
 - d) do while
26. which word means unwanted or unsolicited e-mail _____.
- a) Spider
 - b) Surf
 - c) Spam
-

密

d) Applet

27. _____ provides a connection point for specialized cards or circuit boards.

a) Socket

b) Slot

c) Bus line

d) Mother board

28. Languages that can run on more than one kind of computer are called _____.

a) Machine languages

b) Assembly languages

c) Portable languages

d) Query languages

29. _____ is a sequential-access storage medium.

a) A floppy disk

b) A hard disk

c) DVD

d) Magnetic tape

30. _____ terminal don't have a hard disk drive and rely on host computers, known as thin client.

a) dumb

b) network

c) intelligent

d) internet

封

二、Fill In The Blanks With The Given Terms (20 Points)

a. system bus

k. word wrap

b. utility

l. access speed

c. sector

m. RAID

d. supercomputer

n. uploading

e. antivirus program

o. URL

f. head crash

p. presentation language

g. file compression program

q. virtual memory

h. browser

r. digital camera

i. metasearch engines

s. worksheet file

j. syntax error

t. VRML

线

1. A software providing access to Web resources is _____.

2. A part of the system software that performs specific tasks related to managing computer

resources is _____.

3. _____ uses symbols, words, and phrases that instruct a computer as to how to display information to the user.
4. _____ connects the CPU to memory on the system board.
5. _____ is wedged-shaped section that makes up a track on a disk.
6. Programs that automatically submit your search request to several search engines simultaneously to receive the results, eliminates duplicates, orders the hits, and provides the edited list to users are _____.
7. _____ is created by electronic spreadsheets to analyze things like budgets and to predict sales.
8. The most powerful type of computer that is a special high-capacity computer used by very large organizations is _____.
9. _____ is a programming language used to create real-time 3D scenes.
10. _____ is the location or address of the resources.
11. Several inexpensive hard disks drives are connected together and improving the performance is called _____.
12. The _____ feature automatically moves the insertion point to the next line once the current line is full.
13. A system utility that guards a computer system against viruses or other damaging programs that can invade it is _____.
14. _____ is a violation of the rules of the programming language.
15. _____ provides temporary high speed holding area between memory and the CPU.
16. A system utility that reduces the size of files so they require less storage space and can be sent more efficiently over the Internet is _____.
17. _____ can copy a file from a local machine to a server.
18. _____ measures the amount of time required by the storage device to retrieve data and programs.
19. In _____, images are recorded digitally on a disk or in the camera's memory rather than on film.
20. When a hard disk's read/write head makes contact with the hard disk's surface or with particles on its surface resulting in a catastrophic loss of data, we call it _____.

三、 True/False (20 Points)

1. Drawing program is used to editing bitmap images.
 2. Socket provides a connection point for small specialized electronic parts called chips.
 3. 640×640 is a measure of printer resolution.
 4. The SMTP protocol is the most widely used protocol.
 5. The five parts of an information system are: people, procedures, software, hardware, and data.
 6. Monitor output is commonly referred to as soft copy.
 7. The content of Flash memory card can be lost when the power is off.
 8. Telnet is used for transferring files.
-

9. Three areas of artificial intelligence are virtual reality, knowledge-based system and robotics.
10. The Web is another name for the Internet.
11. A file that is 1400 KB will fit on a traditional floppy disk.
12. B2B involves the sale of a product or service to general public or end users.
13. E-learning is able to take classes on almost any subject from educational institutions that offer courses online.
14. A software suite is a single program.
15. SQL is the 4th generation programming language.
16. Logic structures include sequence, selection, and loop.
17. When a program is translated to machine code, the compiler will typically find logic errors.
18. Serial port sends data 8 bits at a time.
19. A computer system with an open architecture is relatively easy to upgrade.
20. Palm computer generally includes a stand-alone operating system.

四、Translate the Following Key Terms into Chinese (10 Points)

- | | |
|-------------------|------------------------------|
| 1. HTML | 11. Removable hard disk |
| 2. OOP | 12. DVD |
| 3. Multimedia | 13. OLE |
| 4. ROM | 14. Windows update |
| 5. Resolution | 15. Fuzzy logic |
| 6. Parallel ports | 16. Web authoring |
| 7. Bus width | 17. Desktop operating system |
| 8. DBMS | 18. GUI |
| 9. Touch screen | 19. Provider |
| 10. WebCam | 20. Filters |

五、Complete the following conversions between different numbering systems. (9 Points)

1. $(101101101)_2 = (\quad)_{10} = (\quad)_8 = (\quad)_{16}$
2. $(36.25)_{10} = (\quad)_2 = (\quad)_8 = (\quad)_{16}$
3. $x = -0.101101$, 采用定点小数表示, 设机器字长为 8, 则 x 的原码是_____,
反码是_____, 补码是_____.

六、Fill in the Blanks (5 Points)

1. Plug and Play is a set of hardware and software _____ by hardware and software vendors to create operating systems, processing units, and expansion boards, as well as other devices that are able to configure themselves.
2. _____ operating systems are used for handheld computers and smaller devices like PDAs
3. Network_____ do not have a hard-disk drive and must rely on a host computer or server for application and system software.
4. _____ measures how much a particular storage medium can hold.
5. The _____ size means the number of bits (such as 16, 32, or 64) that can be accessed at one time by the CPU.

七、Translate the Following Paragraph into Chinese (6 Points)

(a) Computer communications (3 points)

Computer communications is the process of sharing data, programs, and information between two or more computers. We have known numerous applications that depend on communication systems including e-mail, instant messaging, Internet telephone, and electronic commerce. A great deal of computer communication takes place over telephone lines. However, because the telephone was originally designed for voice transmission, telephones typically send and receive analog signals, which are continuous electronic waves. Computers, in contrast, send and receive digital signals. To convert the digital signals to analog signals and vice versa, we need a modem.

(b) Large databases (3 points)

Large organizations are constantly compiling information about us. The federal government (联邦政府) alone has over 2,000 databases. Our social security numbers have become a national identification number. This number has become a standard field in all kind of databases including employment records, medical records, credit card records, and on and on. Every day, data is gathered about us and stored in large databases. The vast majority of forms we fill out today require our social security number. Indeed, even children are now required to have social security numbers.

专业：_____ 学号：_____ 姓名：_____

Answer Sheet (A)

一. Single Choice (30 Points, 1 point per choice)

1	2	3	4	5
6	7	8	9	10
11	12	13	14	15
16	17	18	19	20
21	22	23	24	25
26	27	28	29	30

二. Match each blank with the most closely related lettered item (20 Points, 1 point per blank)

1	2	3	4	5
6	7	8	9	10
11	12	13	14	15
16	17	18	19	20

三. True/False (20 Points, 1 point per question)

1	2	3	4	5
6	7	8	9	10
11	12	13	14	15
16	17	18	19	20

四. Translate the following terms into Chinese (10 Points, 0.5 point per term)

1	2	3	4	5
6	7	8	9	10
11	12	13	14	15
16	17	18	19	20

密

封

线

五. Complete the following conversions between different numbering systems: (9points)

1. $(101101101)_2 = (\quad)_{10} = (\quad)_8 = (\quad)_{16}$

2. $(36.25)_{10} = (\quad)_2 = (\quad)_8 = (\quad)_{16}$

3. $x = -0.101101$, 采用定点小数表示, 设机器字长为 8, 则 x 的原码是_____,
反码是_____, 补码是_____.

六. Fill in the blank (5 Points)

1	2	3	4	5
---	---	---	---	---

七. Translate the following paragraphs into Chinese (6Points)

密

封

线

