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

2008～2009 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		2008 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 rules or guidelines for people to follow when using software, hardware and data is called_____.

    a) Program

    b) procedure

    c) hardware

    d) software

2. _____ type of memory will save its content when the power is off.

    a) CPU Cache

    b) RAM

    c) Printer Memory

    d) Flash RAM

3. "http://" in URLS presents _____.

    a) Client

    b) Server

    c) the domain name

    d) the protocol

4. The procedural language must be translated into machine language. _____ is a kind of translator which converts the procedures into the machine codes at a time before executed, no object code saved.

     a)   Compiler

     b)   assembler

     c)   interpreter

     d)   translator

5. Programs that are 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

6. _____ is a set of standard on the Internet that allows you to connect the host on the Internet.

a)   Plug and play

b)   FTP

c)   Telnet

d)   ISA

7. _____ are prewritten formulas provided by the spreadsheet program that perform calculations.

a)   range

b)   function

c)   recalculation

d)   formula

8. ____ provides additional information and requests user input.

a)   buttons

b)   dialog box

c)   toolbar

d)   pointer

9. DBMS are comprised of tables that made up of rows called _____ and columns call_____.

  a)   fields, records

  b)   records, fields

  c)   addresses, fields

  d)   records, range

10. Image editors and paint programs are used for creating and editing ____.

  a)   HTML codes

  b)   vector images

  c)   text

  d)   bitmap images

11. In a network, the client computers will use_____ operating system.

  a)   network

  b)   stand-alone

  c)   embedded

  d)   none

12. _____ buses, connect CPU to slots on the mother board.
   a) Address
   b) data
   c) system
   d) expansion

13. _____ loop structure will perform the codes before checking the condition.
   a) DO UNTIL
   b) DO WHILE
   c) IF-THEN-ELSE
   d) DO WHAT

14. The numbers of bits that can travel simultaneously by the CPU is known as the _____.
   a) bps
   b) word
   c) bus width
   d) Byte

15. _____ animation that is usually full-screen and interactive.
   a) Morphing
   b) Animation
   c) Flash
   d) MIDI

16. The best way to code effective program is to write _____.
   a) Loop structure program
   b) Top-down program
   c) Structured program
   d) Selection structure program

17. _____ indicates the distance between each pixel on the monitor.
   a) Refresh rate
   b) Resolution
   c) Size
   d) Dot pitch

18. _____ refers to the specialized I/O devices for receiving and sending voice communication.
   a) Telephony
   b) VoIP
   c) IP telephony
   d) Internet telephone

19. When a program repeats as long as a certain condition remains, it is an example of a(n) _____ logic structure.

a) IF-THEN-ELSE

b) sequence

c) selection

d) loop

20. Programs that allow particular input or output devices to communicate with the rest of the computer system are called _____.

  a) system software

  b) operating systems

  c) application software

  d) device driver

21. _____ is a sequential-access storage medium.

a) A floppy disk

b) A hard disk

c) Magnetic tape

d) DVD

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

a) dumb

b) intelligent

c) network

d) internet

23. A(n) _____ chip contains essential information for computer booting, it doesn't lose its content when power is off.

a) ROM

b) RAM

c) ALU

d) CMOS

24. _____ ports are used to replace serial and parallel ports, are faster.

a) Serial

b) Parallel

c) HPSB

d) USB

25. _____ uses special preprinted characters that can be read by a light source and changed into machine-readable code.

a) UPC

b) OMR

c) MICR

d) OCR

26._____provide a connection point for specialized cards or circuit boards.

a) Sockets

b) Slots

c) Bus lines

d) Mother board

27. _____ is a Window program that locates and eliminates unnecessary fragments and rearranges files and unused disk space to optimize operations

a) Disk Cleanup

b) Disk Defragmenter

c) Sherlock

d) Active Desktop

28. 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

29. 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

30. _____ is a kind of binary coding schemes which is designed to support international languages, uses 16 bits.

a) ASCII

b) EBCDID

c) Unicode

d) Binary system

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

a.	browser	k.	AGP
b.	system bus	l.	spider
c.	disk caching	m.	RAID
d.	sector	n.	Word wrap
e.	search engines	o.	URLs
f.	VRML	p.	presentation language
g.	hyperlink	q.	synax error
h.	Internet terminal	r.	assembly language
i.	OLE	s.	Metasearch engines
j.	Virtual memory	t.	filters

1. _____ is wedged-shaped section that makes up a track on a disk.

2._____ connects a computer to other documents containing related information-text files, graphic, images, audio, and video clips.

3. _____programs continually update search engines and the search services' databases.

4._____ uses symbols, words, and phrases that instruct a computer as to how to display information to the user.

5. _____ is the location or address of the resources.

6. _____ is a programming language used to crate real-time 3D scenes.

7. _____ are specialized programs that assist you in locating information on the web and Internet.

8._____ connects the CPU to memory on the system board.

9. _____bus is over twice as fast as PCI bus, designed to accelerate the graphical performance.

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

11. _____ use abbreviations or mnemonics that are automatically converted to the appropriate sequence of 1s and 0s.

12. 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_____.

13. Several inexpensive hard disks drives are connected together and improving the performance is called _____ .

14. _____ can support computer to separate large programs into several parts which can be saved on a secondary device.

15. Programs blocking access to selected sites are _____.

16. _____is a violation of the rules of the programming language.

17. The _____ feature automatically moves the insertion point to the next line once the current line is full.

18. _____ displays web pages on a standard television set, used in our homes.

19. _____ is a feature that makes it easy to dynamically share and exchange data between application.

20. _____ provides temporary high speed holding area between memory and the CPU.

三、True/False （20 Points）

1. "Debugging" refers to the process of eliminating syntax and logic errors.

2. With object embedding, the source file will be changed when a change to the object from the source file.

3. The FTP protocol is the most widely used protocol.

4. Drawing program is used to editing bitmap images.

5. Network operating system is stored the ROM of the computer devices.

6. Socket provides a connection point for small specialized electronic parts called chips.

7. The content of Flash memory card can be lost when the power is off.

8. PDA computer can use battery to support its power.

9. Serial port sends data 8 bits at a time.

10. Directory search engine compares your entry against its database and returns a list of hits.

11. The intelligent terminal hasn't hard disk, relies on a host computer.

12. 1024×1024 is a measure of printer resolution.

13. Plug and Play is a set of hardware that allows expansion cards to install themselves.

14. CPU caching improves processing by acting as a temporary high-speed holding area between I/O devices and CPU.

15. DVD-RAM is write once format.

16. SQL is the 4th generation programming language.

17. ASCII is used for minicomputer, 8 bits.

18. Monitor output is commonly referred to as soft copy.

19. A software suite is a single program.

20. Special-purpose applications are also known as basic applications.

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

1. CMOS	11. Resolution
2. LCD	12. DVD
3. AI	13. OOP
4. Object linking and embedding（OLE）	14. OCR
5. URL	15. NIC
6. RAM	16. browser
7. FTP	17. Desktop operating system
8. HTML	18. Multimedia
9. Read only memory	19. DBMS
10. CASE	20. GUI

五、Complete the following conversions between different numbering systems.（6 Points）

1. $(11101011101)_2 = ($ 　　　　　$)_{10} = ($ 　　　　　$)_8 = ($ 　　　　　$)_{16}$

2. $(255.625)_{10} = ($ 　　　　　$)_2 = ($ 　　　　　$)_8 = ($ 　　　　　$)_{16}$

六、Fill in the Blanks (5 Points)

1. Software that can focused on specific disciplines, such as graphics, audio and video, multimedia, web authoring, and artificial intelligence, is considered _____ software.

2. _____ are programs that are automatically loaded and operate as a part of your browser.

3. _____ program organize, analyze, and graph numeric data such as budgets and financial reports.

4.＿＿＿＿ occurs when a read/write head makes contact with the hard disk's surface or with particles on its surface..

5. Using top-down program design, pseudocode, flowchart is on the ＿＿＿＿ stage of software developing .

七、**Translate the Following Paragraph into Chinese** （**9**Points）

(a)   **Computer System (3 points)**

A computer system includes a computer, peripheral (外围的) devices, and software. The electric, electronic, and mechanical devices used for processing data are referred to as hardware. In addition to the computer itself, the term "hardware" refers to components called peripheral devices that expand the computer's input, output, and storage capabilities.

(b)   **Modem (3 points)**

A modem is a device that converts between analog and digital signals. Digital signals, which are used by computers, are made up of separate units, usually represented by a series of 1's and 0's. Analog signals vary continuously; an example of an analog signal is a sound wave. Modems are often used to enable computers to communicate with each other across telephone lines. A modem converts the digital signals of the sending computer to analog signals that can be transmitted through telephone lines. When the signal reaches its destination, another modem reconstructs the original digital signal, which is processed by the receiving computer. If both modems can transmit data to each other simultaneously, the modems are operating in full duplex(双工的) mode; if only one modem can transmit at a time, the modems are operating in half duplex mode.

(c)   **SQL (3 points)**

Structured Query Language (SQL), in computer science, is a database sublanguage used in querying, updating, and managing relational databases. Derived from an IBM research project that created Structured English Query Language (SEQUEL) in the 1970s, SQL is an accepted standard in database products. Although it is not a programming language in the same sense as C or Pascal, SQL can either be used in formulating (系统地阐述) interactive (交互式) queries or be embedded in an application as instructions for handling data. The SQL standard also contains components for defining, altering, controlling, and securing data. SQL is designed for both technical and non-technical users.

专业：_____学号：_____姓名：_____

Answer Sheet (B)

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

五. Complete the following conversions between different numbering systems:（6 points）

1. $(11101011101)_2 = ($ 　　　　　$)_{10} = ($ 　　　　　$)_8 = ($ 　　　　　$)_{16}$

2. $(255.625)_{10} = ($ 　　　　$)_2 = ($ 　　　　$)_8 = ($ 　　　　$)_{16}$

六. Fill in the blank（5 Points）

1	2	3	4	5

七. Translate the following paragraphs into Chinese（9 Points）