各章复习

CHAPTER 1 Information technology, the internet, and You

信息技术，因特网和用户

**Information System**

**People**

**Software—System software, Application software**

Hardware—Types of computers, personal computer hardware

Data

Connectivity and Mobile Internet

CHAPTER 2 The internet, The Web, and Electronic Commerce

因特网，万维网和电子商务

**The Internet and the Web**

**Internet Access**

Web Utilities

Communication

Search Tools

**Electronic Commerce**

**Cloud Computing**

CHAPTER 3 Application software

应用软件

Application Software

**General-purpose software**

**Specialized Application**

Mobile Apps

Software Suites

CHAPTER 4 System software

系统软件

System Software

**Operating Systems**

**Mobile Operating Systems**

**Desktop Operating Systems**

Utilities

**Device Drivers**

CHAPTER 5 The System unit

系统单元

**System Unit**

**System Board**

**Microprocessor**

**Memory**

**Expansion Slots and Cards**

**Bus Lines**

Ports

CHAPTER 6 Input and output

输入和输出

**What is Input?**

**Keyboard Entry**

**Pointing Devices**

Scanning Devices

Image Capturing devices

Audio-Input Devices

**What is output?**

**Monitors**

**Printers**

Audio-output Devices

Combination Input and Output Devices

CHAPTER 7 Secondary storage

辅助存储设备

**Storage**

**Hard Disks**

Optical Disks

Solid-State Storage

**Cloud Storage**

Mass storage Devices

CHAPTER 8 Communications and networks

计算机通讯与网络

**Communication**

**Communication Channels**

**Connection Devices**

Data Transmission

Networks

**Network Types**

**Network Architecture**

**Organizational Networks**

CHAPTER 13 Programming and languages

计算机编程和计算机语言

**Programs and Programming**

Step 1: Program Specification

Step 2: Program Design

Step 3: Program Code

Step 4: Program Test

Step 5: Program documentation

Step 6: Program Maintenance

CASE and OOP

**Generation of Programming Language**

补充内容：二进制与机器码

期末试题类型

选择题、判断题、匹配题、关键词解释、填空题、进制转换和机器码填空、open-ended questions。

1. **Single Choice（1 point/problem，30 Points）**

**For Examples：**

1. Programs that are automatically loaded and operate as a part of your browser are referred to as \_\_\_\_\_\_\_\_\_\_.

a) FTP

**b**) plug-ins

c) add-ons

d) Telnet

2. The two basic parts of URLs are

a) TCP/IP and ISP

b) destination and device

**c**) the protocol and the domain name

d) TCP and IP

3. This type of software is designed to help you be more productive in performing tasks, and is widely used in nearly every discipline and occupation.

a) communications software

b) utility software

**c**) basic applications software

d) system software

4. Most application software uses this type of interface.

a) menu driven

**b**) graphical user

c) command line

d) Web

5. In a computer system, related files are generally stored in the same

a) track

b) table

**c**) folder

d) wallet

1. **Fill In The Blanks With the Given Terms**

**（1 point/blank，20 Points）**

**For Examples：**

a. AGP

b. selection

c. provider or host computer

d. protocols

e. procedural language

f. compiler or interpreter

1. Procedural languages must be translated into machine language using a(n)\_\_\_**f**\_\_\_.

2. C++ is considered a \_\_**e**\_\_\_\_.

3. An IF-THEN-ELSE statement is part of the \_\_\_\_**b**\_\_\_\_\_ structure.

4. The **\_\_a\_\_\_** bus is dedicated to the acceleration of graphics performance.

5. The most common method for gaining access to the Internet is through a \_\_\_\_**c**\_\_\_\_\_.

6. Rules for exchanging data between computers are called \_\_\_**d**\_\_\_.

1. **True/False（1 point/problem，20 Points）**

**For Examples：**

1. The five parts of an information system are: people, procedures, software, hardware, and data. ***T***

2. B2B involves the sale of a product or service from one business to another. ***T***

3. Each table in a database is made up of rows called fields. ***F***

4. A Web page editor is a person who writes Web pages. ***F***

5. The operating system is often referred to as the software environment or platform. ***T***

6. ROM stands for Readable Online Memory. ***F***

7. A digital camera can store images on disks or on film. ***F***

1. **Translate the Following Key Terms into Chinese（1 points/term，10 Points）**

**For Examples：**

1. HTML
2. FTP
3. Plug-ins
4. IoT
5. Formulas
6. CSS(Cascading Style Sheets)
7. Operating system
8. VR
9. User interface
10. webcam
11. **Complete the following conversions**

**（1 point/blank，6 Points）**

**For Examples：**

1. (255.75)10= ( )2= ( )8= ( )16

2. 设字长为8位，X=(-1011)2，X原=( )，X反=( )，X补=( )

1. **Fill in the Blanks（1 point/blank，5 Points）**

**For Examples：**

1. \_**Toolbars**\_ contain small graphic elements called buttons that provide shortcuts for quick access to commonly used commands.
2. \_**Vector**\_ images use geometric shapes or objects that can easily be resized and manipulated.
3. \_**Embedded**\_ operating systems are used for handheld computers and small devices like PDAs, smartphones.
4. **Open-ended questions（9 Points）**

**For Examples：**

1. What are the six steps of programming?
2. Describe the three types of E-commerce?
3. Explain the basic functions of