
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。

一、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

二、 Fill In The Blanks With the Given Terms

(1 point/blank, 20 Points)

For Examples:

a. AGP

d. protocols

b. selection

e. procedural language

c. provider or host computer

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**.

三、 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*

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

For Examples:

- | | |
|-------------|--------------------------------|
| 1. HTML | 5. Formulas |
| 2. FTP | 6. CSS(Cascading Style Sheets) |
| 3. Plug-ins | 7. Operating system |
| 4. IoT | 8. VR |

9. User interface

10. webcam

五、 Complete the following conversions

(1 point/blank, 6 Points)

For Examples:

1. $(255.75)_{10} = (\quad)_2 = (\quad)_8 = (\quad)_{16}$

2. 设字长为 8 位, $X = (-1011)_2$, $X_{\text{原}} = (\quad)$, $X_{\text{反}} = (\quad)$, $X_{\text{补}} = (\quad)$

六、 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.

七、 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