



**NAM CAN THO UNIVERSITY
FACULTY OF INFORMATION TECHNOLOGY**

REVISION QUESTIONS

COURSE: ENGLISH FOR INFORMATION TECHNOLOGY

Credits: 03

Instructor: Dr. Thai Thi Ngoc Thuy

Number of Questions: 50 questions Course code:

Cần Thơ - 2025

A. INFORMATION TECHNOLOGY FUNDAMENTALS

1. What is **Information Technology (IT)**? Explain its main purpose.
2. Why is Information Technology important in modern business and education?
3. Define **software** and explain its role in a computer system.
4. What is **hardware**? Give three examples of computer hardware.
5. Explain the difference between **hardware** and **software**.
6. What does **software maintenance** mean? Why is it necessary?
7. Explain the term **data processing** in Information Technology.
8. What is **information security** and why is it important?
9. Define the term **online** in the context of computing.
10. What does the word **encode** mean? What is **decoding**?

B. IT JOBS AND PROFESSIONAL ROLES

11. Who are **IT professionals** and what are their main responsibilities?
12. Describe the role of a **Network Administrator**.
13. What does a **Software Developer** do?
14. Explain the job of a **Web Developer**.
15. What are the main tasks of a **Database Administrator**?
16. Describe the responsibilities of a **Technical Support Technician**.
17. What does an **IT Project Manager** focus on?
18. Explain the role of a **Quality Assurance (QA) Tester**.
19. Why is an **IT Security Specialist** important for organizations?
20. Which IT job are you interested in and why?

C. COMPUTER SYSTEMS AND HARDWARE

21. What is a **computing system**? What components does it include?
22. Explain the function of the **CPU** in a computer.
23. What is **RAM** and how does it differ from a hard drive?
24. Explain the main function of a **hard drive**.
25. What is a **motherboard** and why is it important?
26. Describe the role of the **power supply unit (PSU)**.
27. Why do computers need **cooling systems** such as fans or heatsinks?
28. What is a **graphics card (GPU)** used for?
29. Explain the purpose of **expansion cards**.
30. Why can a computer not work without a processor?

D. PERIPHERAL DEVICES (INPUT / OUTPUT)

31. What is a **peripheral device**? Give examples.
32. Explain the difference between **input devices** and **output devices**.
33. Describe the function of a **keyboard** and a **mouse**.
34. What is a **scanner** and how does it work?
35. Explain the function of a **printer**.

36. What is a **microphone** used for?
37. Why is a **touch screen** considered an input and output device?
38. Describe the function of a **webcam**.
39. What is a **multi-function printer (MFP)** and what can it do?
40. Give examples of devices used for **audio and video communication**.

E. NETWORKS AND INTERNET

41. What is a **computer network**?
42. Explain the function of a **modem**.
43. What is the role of a **router** in a network?
44. Explain the difference between **LAN** and **WLAN**.
45. What does **ISP (Internet Service Provider)** mean?
46. Explain the difference between **public IP** and **private IP**.
47. What is the difference between **static IP** and **dynamic IP**?
48. Which type of IP address is suitable for home users? Why?
49. What is **broadband Internet** and what are its advantages?
50. What should you check first when your Internet connection does not work?

F. SIX COMPREHENSIVE WRITING TOPICS

Topic 1. Information Technology in Modern Society

Explain what **Information Technology (IT)** is and discuss its importance in modern life, education, and business. Give examples of how IT is used in daily activities.

Topic 2. Computer Systems: Hardware, Software, and Peripheral Devices

Describe the main components of a **computer system**, including hardware, software, and peripheral devices. Explain how these components work together to process information.

Topic 3. Computer Networks and Internet Connectivity

Explain how computers connect to the Internet using **modems, routers, and networks**. Describe different types of networks (LAN, WLAN, WAN) and their common uses.

Topic 4. IP Addresses and Internet Services

Discuss the concept of **IP addresses**, including public vs. private IP and static vs. dynamic IP. Explain the role of **Internet Service Providers (ISP)** in providing Internet access.

Topic 5. User Interface (UI), User Experience (UX), and GUI Design

Explain the concepts of **User Interface (UI)** and **User Experience (UX)**. Discuss why good **GUI design** is important for users, especially non-technical users.

Topic 6. IT Careers and Future Opportunities

Describe common **IT careers** such as software developer, network administrator, and IT security specialist. Explain which career you are interested in and why.

INSTRUCTIONS FOR STUDENTS

- ✓ Answer each question in at least four (4) to five (5) complete sentences to clearly explain and clarify the content.
- ✓ Your answers should demonstrate understanding of key concepts, not just definitions or short phrases.
- ✓ Use appropriate Information Technology (IT) vocabulary learned in this course.
- ✓ Write **in** clear, simple, and grammatically correct English.
- ✓ Support your answers with examples, explanations, or comparisons where appropriate.

THE END.