PAN AFRICA CHRISTIAN UNIVERSITY
Where Leaders are Made

UNIVERSITY EXAMINATIONS: 2025/2026

EXAMINATION FOR THE CERTIFICATE IN INFORMATION AND COMMUNICATION TECHNOLOGY

CICT 0111

INTRODUCTION TO COMPUTERS AND OPERATING SYSTEMS

END TERM EXAMINATION

TIME: 2:00 PM - 4:00 PM

DATE: TUESDAY, APRIL, 2026 **TIME: 2 HOURS**

INSTRUCTIONS: Question One is Compulsory, Choose Three Other Questions

---

SECTION A (COMPULSORY)

QUESTION ONE (15 Marks) Compulsory

a) Define the term computer. **[2 marks]**

b) Explain two types of computers, giving one example for each. **[4 marks]**

c) Describe the evolution of computers, tracing their journey from early computers to modern computers.

[6 marks]

d) Define digital literacy and explain two benefits of digital literacy to PAC University students.

[3 marks]

SECTION B

(ANSWER ANY THREE (3) QUESTIONS IN THIS SECTION)

QUESTION TWO (15 marks)

a) State and explain two generations of computers, highlighting the technology used in each generation.

[6 marks]

b) Identify three areas where ICT is used in everyday life and briefly explain its application in each area.

[6 marks]

c) State three major categories of language translators. **[3 marks]**

QUESTION THREE (15 marks)

a) Define the term computer hardware, clearly distinguishing it from software.

[2 marks]

b) Explain the functions of input and output devices, illustrating your answer with appropriate examples of each category.

[5 marks]

c) Describe five major functions of the Central Processing Unit (CPU), emphasizing its role in instruction execution, control, and coordination of system operations.

[4 marks]

d) Differentiate between primary memory and secondary memory, providing at least one example of each and discussing their relative importance in computer performance.

[4 marks]

QUESTION FOUR (15 marks)

a) Define the term computer software, clearly distinguishing it from hardware.

[2 marks]

b) Define system software and application software, then state two differences between them and give two examples of each.

[6 marks]

c) Explain the steps involved in installing software, using the scenario of a PAC University student tasked with installing the Windows Operating System on a lab computer. Your answer should cover preparation, installation process, configuration, and post-installation verification.

[4 marks]

d) Give THREE examples of application software commonly used at PAC University and explain their specific uses.

[3 marks]

QUESTION FIVE (15 marks)

a) Define an operating system. **[2 marks]**

b) Explain THREE major functions of an operating system, demonstrating how these functions contribute to efficient computer performance.

[6 marks]

c) Describe the concept of file management within an operating system and explain THREE key file operations that ensure organized data handling.

[5 marks]

d) State TWO examples of widely used operating systems and briefly indicate their relevance in computing environments.

[2 marks]

QUESTION SIX (15 marks)

a) Define an internet browser and give two examples. **[4 marks]**

b) Explain the differences between Local Area Network (LAN), Wide Area Network (WAN), and Wi-Fi, focusing on their scope, connectivity, and typical usage.

[6 marks]

c) Define the concept of cloud computing and provide ONE relevant example of its application in academic or professional settings.

[3 marks]

d) State TWO safe browsing practices that help protect users from online threats.

[2 marks]

-END-