



# REFORMED CHURCH UNIVERSITY

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## FACULTY OF COMMERCE

Business Information Communication Technology

**HPMG112**

**Part 1 Semester 1 Examination**

**Total Marks [100]**

Date: FEBRUARY 2024

Time: 3 Hours

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### INSTRUCTIONS

1. This paper has *six (6)* questions
2. Answer any *four (4)* questions
3. Each question carries *25 marks*
4. Start each question on a new page

### **QUESTION 1**

- a. Define what a computer is and explain its primary function. (8 marks)
- b. Provide detailed descriptions and functions of the 5 main components of a computer system. (10 marks)
- c. With the aid of examples, differentiate hardware and software. (7 marks)

### **QUESTION 2**

- a. Define what an operating system is and explain its role in a computer system. (4 marks)
- b. Discuss the evolution of operating systems. (4 marks)
- c. Compare and contrast single-tasking and multi-tasking operating systems. (10 marks)
- d. Explain key features and applications of three popular operating systems. (7 marks)

### **QUESTION 3**

- a. Define the Central Processing Unit and its role in a computer. (6 marks)
- b. Explain the concept of memory in a computer. (4 marks)
- c. Differentiate between RAM and ROM. (5 marks)
- d. Describe the steps of the fetch-decode-execute cycle. (10 marks)

### **QUESTION 4**

- a. Provide examples of input devices and explain their purpose. (7 marks)
- b. List three common output devices and describe how they present information. (8 marks)
- c. Explain the importance of peripheral devices in a computer system. (10 marks)

### **QUESTION 5**

Evaluate how computers have impacted the lives of people in your community. (25 marks)

### **QUESTION 6**

Discuss the concept of digital ethics and provide an example of an ethical dilemma related to computing. (25 marks)

**End of paper**