



# **MAASAI MARA UNIVERSITY**

**REGULAR UNIVERSITY EXAMINATION  
2022/2023 ACADEMIC YEAR  
FIRST YEAR SECOND SEMESTER**

**SCHOOL OF BUSINESS AND ECONOMICS  
BACHELOR OF COMMERCE**

**COURSE CODE: BCM1105**

**COURSE TITLE: INTRODUCTION TO COMPUTERS  
APPLICATIONS FOR BUSINESS MANAGEMENT**

**DATE: 8<sup>TH</sup> DECEMBER 2022** \_\_\_\_\_ **TIME: 1430-1630** \_\_\_\_\_

**INSTRUCTIONS:**

**Answer question one and any other two questions**

### QUESTION ONE

- a) Describe the functional components of a typical computer system with aid of a diagram. (6 Marks)
- b) Convert the following binary numbers to its decimals equivalents; (5 Marks)
- i. 001100
  - ii. 000011
  - iii. 011100
  - iv. 111100
  - v. 00111100
- c) Summarize five characteristics of the fourth generation computers. (5 Marks)
- d) Computer crime is caused by the criminal or irresponsible actions of individuals who are taking advantage of the widespread use and vulnerability of computers and the Internet. Briefly explain two examples of computer crime. (4 Marks)

### Question TWO

- a) Explain the functions of the following utility programs.
- i. Scandisk (2marks)
  - ii. Defrag (2marks)
  - iii. Data compression (2marks)
- b) An operating system is necessary system software in a computer. Briefly describe **Four** functions of an operating system (4 marks)
- c) Describe **FIVE** security mechanisms that can be used in an organization to guard against data and information (5 mark)

### QUESTION THREE

- (a) Information systems can be grouped into business function categories. Briefly explain how information technologies can be used to support the following functions:
- i. Sales and marketing (3 marks)
  - ii. Human resource management. (3 marks)
  - iii. Manufacturing (3 marks)
- (b) The growth of the retail e-business sector in Kenya has been slowed down by various factors. Discuss three of these factors. (6 marks)

### QUESTION FOUR

- a) Discuss **SEVEN** areas where electronic computers may be used to boost the economy of a country (7marks)
- b) State and explain **THREE** types of computers classified by the type of data they handle (6marks)
- c). Describe two components of an Information systems (2marks)

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