



# **MAASAI MARA UNIVERSITY**

**SCHOOL OF BUSINESS AND ECONOMICS  
BACHELOR OF COMMERCE  
END OF SEMESTER EXAMINATION  
BACHELOR OF COMMERCE FIRST YEAR FIRST  
SEMESTER  
2020/2021 ACADEMIC YEAR**

**COURSE CODE: BCM 1105**

**COURSE TITLE: INTRODUCTION TO COMPUTER  
APPLICATIONS**

**DATE: 7 TH APRIL 2022**

**TIME: 1100-1300HRS**

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**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;**(4 Marks)**
- i. 001100
  - ii. 000011
  - iii. 011100
  - iv. 111100
- c) Information systems are more than computers. Using information systems effectively requires an understanding of its dimensions. Using a diagram, explain these dimensions. **(6 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). List any five disadvantages associated with outsourcing of information technology services. **(5 Marks)**
- b). Discuss five types of computer networks **(10 Marks)**

## QUESTION THREE

- a) Describe the following terms:
- (i) End user computing **(3 Marks)**
  - (ii) Electronic Data Interchange. **(3 Marks)**
  - (iii) Data warehouse **(3 Marks)**
  - (iv) Data mining. **(3 Marks)**
  - (v) Information centre. **(3 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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