



MAASAI MARA UNIVERSITY

**REGULAR UNIVERSITY EXAMINATION
2023/2024 ACADEMIC YEAR
FIRST YEAR FIRST SEMESTER**

**SCHOOL OF BUSINESS AND ECONOMICS
BACHELORS OF COMMERCE**

**COURSE CODE: BCM 1105-1
COURSE TITLE: INTRODUCTION TO COMPUTER
APPLICATION FOR BUSINESS MANAGEMENT.**

DATE: 2/2/2024

TIME : 1100-1300 HRS

INSTRUCTIONS TO CANDIDATES

Answers Question one and any other Two

QUESTION ONE

a) Explain the following concepts as used in computer.

(6 marks)

- i. Data
- ii. Software
- iii. Internet
- iv. Information
- v. Peripheral devices
- vi. Hardware

b) Convert the following binary numbers to their decimals equivalents: **(4 Marks)**

i. 10110101

ii. 101010

iii. 111001

iv. 1001110

e) Describe the functional components of a typical computer system with aid of a diagram. **(6 Marks)**

f) 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) Define application softwares and provide three examples of application softwares. **(4 marks)**

b) Explain the following types of networks:

i. LAN

(2marks)

ii. WAN

(2marks)

iii. WLAN

(2marks)

c) Discuss the key features and benefits of using Windows as an operating system.

(5 marks)

QUESTION THREE

a) Discuss **SIX** areas where electronic computers may be used to boost the economy of a country. **(6 marks)**

b) Describe the elements of the Windows interface, including the desktop, taskbar, Start menu, and notification area. **(8 marks)**

d) Define antivirus software? Explain its purpose and how it helps protect computers from malware. **(1mark)**

QUESTION FOUR

a) Describe the functions and of the following network devices: **(5 marks)**

- i. Router
- ii. Switch
- iii. Hub
- iv. Modem
- v. Firewall

b) Computer memories are classified into two categories. State and briefly describe them and give two examples of each category **(5marks)**

c) i. Describe three major factors that affect the performance of a computer operation.

ii. For each factor, state one example of measurement. **(5 marks)**

QUESTION FIVE

a) Describe any four challenges posed by the emerging trends and issues of Information Technology and Information System **(6 marks)**

b) Describe **FOUR** security mechanisms that can be used in an organization to guard against data and information. **(4marks)**

c) Describe **FOUR** classifications of computers based on physical size **(2marks)**

d) State **THREE** forms of malicious software that can be found in computers.

(3marks)

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