



ALUPE UNIVERSITY

OFFICE OF THE DEPUTY VICE CHANCELLOR

ACADEMICS, RESEARCH AND STUDENTS' AFFAIRS

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## UNIVERSITY EXAMINATIONS

### 2022 /2023 ACADEMIC YEAR

SECOND YEAR FIRST SEMESTER REGULAR EXAMINATION

FOR THE DEGREE IN COMMUNICATION AND PUBLIC  
RELATIONS

COURSE CODE: CMM 213:

COURSE TITLE: MANAGEMENT OF INFORMATION TECHNOLOGY

DATE: 08/12/2022

TIME: 9.00AM-12.00PM

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#### INSTRUCTION TO CANDIDATES

- SEE INSIDETHIS PAPER CONSISTS OF 4 PRINTED PAGES
- PLEASE TURN OVER

#### INSTRUCTIONS TO CANDIDATES

- Answer Question ONE and any other TWO questions.*
- Maps and diagrams should be used whenever they serve to illustrate the answer.*
- Do not write on the question paper.*

## QUESTION ONE

a.) Define the following terms;

- i.) RAM
- ii.) ROM
- iii.) USB
- iv.) WAN
- v.) LAN
- vi.) TCP/IP
- vii.) TB
- viii.) MSDOS

(8 Marks)

b.) State FOUR internet service providers in Kenya

(4 Marks)

c.) What are cost control strategies?

(4 Marks)

d.) Outline 5 advantages of fibre optic cables over copper cabling

(10 marks)

e.) Differentiate between a multiplexer and a modem

(4 marks)

## QUESTION TWO

a.) Outline 3 roles of ICT in modern organisations

(6 Marks)

b.) Differentiate between an Intranet and an Extranet

(4marks)

c.) What is a computer network

(2 Marks)

d.) What does access control imply in IT security

(2 marks)

e.) Describe what Ransomware and poor patch management are in IT security

(6 Marks)

## QUESTION THREE

a.) Describe 3 wired technologies (delivery systems in IT)

(6 Marks)

b.) Differentiate between a router and a Network Interface card

(4 Marks)

c.) Describe the function of a keyboard and a mouse in the computing context

(2 marks)

d.) Outline 4 advantages that the Internet gives to a business

(8 Marks)

## QUESTION FOUR

a.) Discuss any THREE types of networking topologies.

(6 Marks)

b.) Describe Cryptography and explain one way in which it can be used in IT systems (4 Marks)

c.) What advantage does an Intranet give to your organisation?

(6 marks)

d.) Describe what WWW means and how it assists online users.

(4 Marks)

## QUESTION FIVE.

a.) Outline 3 challenges of IT benefits measurement

(6 Marks)

b.) Describe in detail what a firewall is.

(4 marks)

c.) Describe what a communication Satellite does.

(4 marks)

d.) List THREE disadvantages of using traditional file processing systems method  
(6Marks)

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