

2506/101
2507/101
ENTREPRENEURSHIP AND
COMMUNICATION TECHNOLOGY
June/July 2023
Time: 3 hours



THE KENYA NATIONAL EXAMINATIONS COUNCIL
DIPLOMA IN AERONAUTICAL ENGINEERING
(AIRFRAMES AND ENGINES OPTION)
(AVIONICS OPTION)

MODULE I

ENTREPRENEURSHIP AND COMMUNICATION TECHNOLOGY

3 hours

INSTRUCTIONS TO CANDIDATES

You should have the following for this examination:

Answer booklet;

Mathematical tables/Non-programmable scientific calculator;

Drawing instruments.

This paper consists of TEN questions in THREE sections; A, B and C.

Answer question ONE (compulsory) and any other ONE question from section A.

Answer TWO questions from section B and ONE question from section C.

Maximum marks for each part of a question are as indicated.

Candidates should answer the questions in English.

This paper consists of 6 printed pages.

**Candidates should check the question paper to ascertain that
all the pages are printed as indicated and that no questions are missing.**

SECTION A: INFORMATION COMMUNICATION TECHNOLOGY

Answer question ONE (compulsory) and any other ONE question from this section.

1. (a) Explain **two** ways of booting a computer. (4 marks)
- (b) List **three** characteristics of each of the following types of computers:
- (i) super computers;
 - (ii) micro computers.
- (6 marks)
- (c) (i) The following document was created using a word processor.

Who makes the insurance offer?

The offer to enter into a contract of insurance may, as a general rule, be considered as addressed to the insurers by the person who is seeking to protect himself by insurance against loss. He may have been invited by the insurers to put himself into communication with them; but, whether the invitation comes to him from the insurers direct, or through the medium of an agent, or whether it is given to him personally, or only as a member of the public through an advertisement, the position remains unchanged, and he must submit his proposal, which they may accept or decline at their pleasure. The offer therefore proceeds from the proposed assured when he has filled up the proposal form and forwarded it to the insurers

- (i) Explain **four** formatting features applied on the document.
 - (ii) Name the word processing tool that would be used to:
 - I display words with similar meaning with the word computers;
 - II search for the word information in the document.
- (10 marks)
2. (a) (i) Define an operating system.
- (ii) Explain **three** functions of a computer operating system. (8 marks)
- (b) Explain **three** advantages of computer networking. (6 marks)

- (c) Table I shows a summary of fruit sales stored in a worksheet.

Table I

	A	B	C	D	E	F
1	Fruit	Stock	Amount Sold	Stock Balance	Unit Price	Total Sales
2	Mangoes	150	80		30	
3	Oranges	80	75		25	
4	Bananas	560	390		10	
5	Apples	50	28		30	
6	Grand Total					

Write the expression that would be used to compute each of the following:

- (i) stock balance for oranges;
- (ii) total sales for apples given that total sales = amount sold \times unit price;
- (iii) grand total sales for the period.

(6 marks)

3. (a) Distinguish between system software and application software. (4 marks)

- (b) Explain each of the following terms as used in data security:

- (i) tapping;
- (ii) spyware;
- (iii) authentication.

(6 marks)

- (c) List **three** types of computer devices under each of the following categories:

- (i) magnetic storage;
- (ii) scanning devices.

(6 marks)

- (d) Explain the circumstances under which each of the following desktop publishing tools may be used:

- (i) crop;
- (ii) master page.

(4 marks)

4. (a) An email address is given as: baraka@mail.com
Identify **four** parts of this address.

(4 marks)

- (b) Outline **four** types of views that a presenter may use when working with presentation software.

(4 marks)

(c) A student encountered the following objects while using a database application.

- table;
- query;
- report;
- form.

Explain the function of each of the objects. (8 marks)

(d) Differentiate double clicking from right clicking with reference to a computer mouse.

(4 marks)

SECTION B: ENTREPRENEURSHIP

Answer any TWO questions from this section.

5. (a) Explain **four** benefits of preparing a business plan for a newly established business venture. (8 marks)
- (b) Outline **four** functions carried out by an entrepreneur before starting a business enterprise. (4 marks)
- (c) Explain **four** benefits that an entrepreneur may derive from using computers in a business enterprise. (8 marks)
6. (a) Explain **four** cultural factors that may inhibit entrepreneurial development in a country. (8 marks)
- (b) List **four** features of a viable business opportunity. (4 marks)
- (c) With the aid of an illustration, explain the stages of the business life cycle. (8 marks)
7. (a) Outline **four** benefits of good product packaging. (4 marks)
- (b) Explain **three** ways in which a business may be socially responsible towards its competitors. (6 marks)
- (c) Outline **four** reasons that make it necessary for an entrepreneur to generate new business ideas. (4 marks)
- (d) List **six** contents of a partnership deed. (6 marks)

8. (a) Explain **three** economic factors that may discourage entrepreneurial development in Kenya. (6 marks)
- (b) List **four** factors that may be considered when determining the price of a product. (4 marks)
- (c) Explain **five** contributions of business enterprises to the economic development of a county. (10 marks)

SECTION C: COMMUNICATION SKILLS

Answer any ONE question from this section.

9. (a) Explain each of the following receiver oriented barriers to effective communication:
- (i) poor retention;
- (ii) resistance to change. (4 marks)
- (b) Explain **three** measures that the management of an organization may take to minimize grapevine communication. (6 marks)
- (c) Rewrite the following paragraph punctuating it correctly.
- Jackline is one of the most laidback student i know she is tall and slim with black hair and she always wears a t-shirt and blue jeans her jeans have holes in them and her boots are shabby too she usually sits at the back of the lecture hall and she often seems to be absent minded however when the examination results are released she always tops the class i dont think shes as lazy as she appears. (4 marks)
- (d) Outline **three** differences between downward communication and upward communication. (6 marks)
10. (a) Eliza has been requested to summarise a speech for her boss. Outline **three** mistakes that she should avoid when carrying out the task. (3 marks)
- (b) Electronic mail has become a popular means of official communication. Explain **three** reasons that may account for this popularity. (6 marks)

- (c) List **four** participant-related challenges that the chairperson of a meeting may face when conducting a meeting. (4 marks)
- (d) Outline **three** ways in which an individual may demonstrate etiquette during an online meeting. (3 marks)
- (e) Highlight **four** features of a well-written business report. (4 marks)

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