THE KENYA NATIONAL EXAMINATIONS COUNCIL

CRAFT CERTIFICATE IN MECHANICAL ENGINEERING
(PRODUCTION OPTION)
CRAFT CERTIFICATE IN MOTOR VEHICLE ENGINEERING
CRAFT CERTIFICATE IN WELDING AND FABRICATION
CRAFT CERTIFICATE IN ELECTRICAL AND ELECTRONICS ENGINEERING
(POWER OPTION, TELECOMMUNICATION OPTION)
CRAFT CERTIFICATE IN BUILDING TECHNOLOGY

MODULE I

INFORMATION COMMUNICATION TECHNOLOGY
AND ENTREPRENEURSHIP EDUCATION

3 hours

INSTRUCTIONS TO CANDIDATES

This paper consists of TWO sections; A and B.
Answer SIX questions from section A and FOUR questions in section B in the answer booklet provided.
Maximum marks to each part of a question are indicated.
All questions carry equal marks.
Candidates should answer the questions in English.

This paper consists of 5 printed pages.

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

Turn over

Answer SIX questions from this section.

1. (a) Outline **four** challenges associated with the first generation computers. (4 marks)

    (b) **Figure 1** shows icons found in a spreadsheet application window.

Fig. 1

Explain the function of each icon. (6 marks)

2. (a) State **two** functions of each of the following components of the central processing unit:

    (i) control unit;

    (ii) arithmetic and logic unit. (4 marks)

    (b) A student is in the process of typing a document using a Word Processor and intends to change the case of the document heading. Identify four change case options that the student may use. (4 marks)

    (c) State **two** functions of the Thesaurus feature in Word Processing. (2 marks)

3. (a) Explain the function of each of the following in email software:

    (i) compose;

    (ii) attachment. (4 marks)

    (b) State **two** advantages of off-the-shelf software. (2 marks)

    (c) Explain the function of each of the following tools in desktop publishing:

    (i) zoom;

    (ii) pointer. (4 marks)

4.   (a)   **Table 1** shows categories of computer storage devices. Complete the table by stating **two** types of devices under each category.   (4 marks)

Table 1

ITEM	BUYING PRICE (Kshs)
Magnetic media	
Optical media	

    (b)   (i)   Distinguish between data security and data privacy.

                (i)   Explain the term authentication as used in data security.

                                                               (6 marks)

5.   (a)   State **four** computer resources that are managed by the operating system.

                                                                  (4 marks)

    (b)   Explain each of the following terms as used in presentation software:

            (i)   animation;

            (ii)   transition;

           (iii)   slide layout.

                                                               (6 marks)

6.   (a)   Outline **four** features of Wide Area Networks (WANs).   (4 marks)

    (b)   **Table 2** is an extract of an employee database table in design view.

Table 2

Field Name	Data type
Staff Name	Text
Date of Employment	Date/Time
Gender	True/False

Explain each of the data types used in the table.   (6 marks)

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7. (a) Explain the circumstances under which each of the following mouse actions are performed:

   (i) right click;

   (ii) double click.

   (4 marks)

(b) **Figure 2** is an extract of a worksheet showing the monthly sales for a certain manufacturing company.

Figure 2

	A	B	C	D
1	MONTH	SALES (KSHS.)	COST OF SALES (KSHS.)	GROSS PROFIT (KSHS.)
2	January	2,000,000	1,200,000	
3	February	3,800,00	1,850,000	
4	March	4,200,000	2,520,000	
5	April	2,500,000	1,380,000	
6	TOTAL			
7	MEAN			

Fig. 2

Given that Gross profit = Sales — Cost of sales ;

Write the expression that could be used to compute:

(i) Gross profit for the month of February;

(ii) Total cost of sales for the period;

(iii) Mean sales for the period.

(6 marks)

SECTION B: ENTREPRENEURSHIP EDUCATION (40 marks)

Answer FOUR questions from this section.

8. (a) Explain each of the following terms as used in entrepreneurship:

    (i) intrapreneur;
    (ii) enterprise.

    (4 marks)

    (b) Explain **three** ways through which the economy of a country benefits from the growth of entrepreneurship.

    (6 marks)

9. (a) Distinguish between craft entrepreneurs and promoter entrepreneurs.

    (4 marks)

    (b) Explain each of the following methods of generating business ideas:

    (i) focus groups;
    (ii) brainstorming.

    (4 marks)

    (c) Highlight two reasons for conducting a pre-feasibility study for a business opportunity.

    (2 marks)

10. (a) Outline **four** circumstances under which a partnership of business may be dissolved.

    (4 marks)

    (b) State six contents of the business description section of a business plan.

    (6 marks)

11. (a) State **four** benefits of using electronic technology to a business enterprise.

    (4 marks)

    (b) Highlight **three** ways in which a business enterprise may be socially responsible towards each of the following:

    (i) employees;
    (ii) suppliers.

    (6 marks)

12. (a) List **four** business support services available to an enterprise.

    (4 marks)

    (b) Explain **three** factors that may influence the choice of a product promotion method by a business enterprise.

    (6 marks)

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