

1501/101 1508/101 1601/101 1704/101
1503/101 1509/101 1602/101
INFORMATION COMMUNICATION TECHNOLOGY
AND ENTREPRENEURSHIP EDUCATION
June/ July 2022
Time: 3 hours



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.

SECTION A: INFORMATION COMMUNICATION TECHNOLOGY (60 marks)

Answer **SIX** questions from this section.

1. (a) State **two** types of computers under each of the following classifications:
- (i) purpose;
 - (ii) functionality.
- (4 marks)
- (b) Explain **three** functions of a computer operating system. (6 marks)
2. (a) Explain the role of each of the following utility software in a computer system:
- (i) merge;
 - (ii) antivirus.
- (4 marks)
- (b) **Figure 1** is an extract of a worksheet stored in a spreadsheet program.

	A	B	C	D
1	ITEM	BUYING PRICE (Kshs)	QUANTITY	TOTAL COST (Kshs)
2	Plastic chairs	400	80	
3	Filing cabinets	15,000	15	
4	Display cupboards	10,000	11	
5	Office chairs	8,500	25	
6	HIGHEST			

Fig. 1

Given that the Total cost = Buying price x Quantity, write the function that would be used to compute each of the following:

- (i) total cost for filing cabinets;
 - (ii) highest quantity bought.
- (4 marks)
- (c) State the function of each of the following computer keyboard keys in spreadsheet applications:
- (i) tab;
 - (ii) enter.
- (2 marks)

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3. (a) Distinguish between hard-copy output and soft-copy output, citing one device in each case. (4 marks)
- (b) Explain the function of each of the following database objects:
- (i) query;
 - (ii) form;
 - (iii) report.

(6 marks)

4. (a) State **four** benefits that an organization may derive from setting up a Local Area Network. (4 marks)
- (b) The following document was created using a word processor.

CHILDREN AND COMPUTER TECHNOLOGY

Computers held children to be in control of their experience, to set their own pace and to select the level of challenge with which they feel comfortable. Computers help children to use all of their senses to extract information. They fascinate kids and can draw their full attention, which often results in a deeper focus and concentration.

Computers enable children to learn through creating, just as they gain hands-on knowledge and understanding when they build forts, make up stories and paint. As they master computers, children build positive attitudes toward technology that will pay dividends for the rest of their lives.

- (i) Identify **four** formatting features applied on the document.
- (ii) State the word processing tool that would be used to:
 - (I) display words with a similar meaning to the word computer.
 - (II) search for the word 'information' in the document.

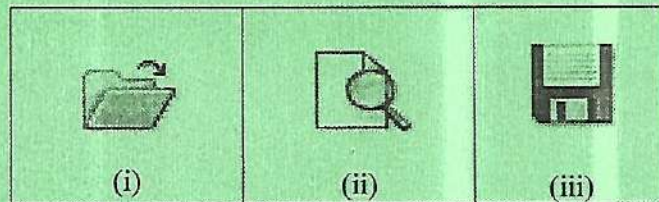
(6 marks)

5. (a) Explain each of the following types of computer crimes:
- (i) eavesdropping;
 - (ii) fraud.

(4 marks)

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- (b) **Figure 2** shows icons used in presentation software.



Explain the function of each icon.

(6 marks)

6. (a) Distinguish between primary storage and secondary storage of a computer.

(4 marks)

- (b) (i) Define 'electronic learning'.

- (ii) Outline **four** challenges that a student may face when using e-learning programs.

(6 marks)

7. (a) Ben is in the process of creating a publication using desktop publishing software. Explain the circumstances under which he would use each of the following tools:

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

(6 marks)

- (b) Explain the purpose of each of the following files created during the mail merging process in word processing:

- (i) main document;
(ii) data source.

(4 marks)

SECTION B: ENTREPRENEURSHIP EDUCATION (40 marks)

Answer FOUR questions from this section.

8. (a) State **four** attributes that an entrepreneur should possess. (4 marks)
- (b) Certain cultural practices inhibit entrepreneurial development in a country. Explain **three** such practices. (6 marks)
9. (a) Outline **three** challenges that may be encountered by a self employed person. (3 marks)
- (b) Highlight **four** ways through which business ideas may be generated. (4 marks)
- (c) State **three** advantages of using electronic mail (e-mail) in business communication. (3 marks)
10. (a) (i) Explain the term 'entrepreneurial competence'. (6 marks)
- (ii) Outline **four** competencies that are necessary for an entrepreneur to manage a successful business. (4 marks)
- (b) Highlight **four** reasons that make it necessary to maintain business records. (4 marks)
11. (a) Explain **three** benefits that an entrepreneur may derive from preparing a business plan. (6 marks)
avoid doing big mistake account honesty
- (b) Highlight **four** challenges faced by Small and Medium Enterprises (SMEs) in Kenya. (4 marks)
to keep extra money money cost problem occur
12. (a) State **four** ways through which a business may demonstrate social responsibility towards its customers. (4 marks)
- (b) (i) List **three** sources of capital for public Limited Companies. (4 marks)
From institutions By debt
- (ii) Outline **three** purposes served by the articles of association in limited liability companies. (6 marks)

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