

1501/101    1508/101    1601/101    1704/101  
1503/101    1509/101    1602/101  
INFORMATION COMMUNICATION TECHNOLOGY  
AND ENTREPRENEURSHIP EDUCATION  
March/April 2023  
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 for each part of a question are indicated.*

*All questions carry equal marks.*

*Candidates should answer the questions in English.*

**This paper consists of 4 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 (ICT) (60 marks)**

Answer any **SIX** questions from this section.

1. (a) State **four** characteristics of a micro-computer. (4 marks)
- (b) Explain **three** functions of the control unit of a computer. (6 marks)
2. (a) Distinguish between system software and application software. (4 marks)
- (b) Outline the steps followed when copying a folder from 'My Documents' to another drive. (4 marks)
- (c) List **two** types of optical secondary storage media of a computer. (2 marks)
3. (a) State **three** physical threats to data stored in a computer. (3 marks)
- (b) Jon created the following document using a word processor.

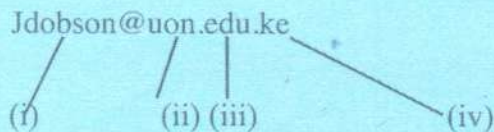
"In life, everyone has problems; the **difference** lies in how EACH PERSON deals with their own".

"In life, everyone has problems; the **difference** lies in how EACH PERSON deals with their own".

- (i) Outline the steps that he followed when creating the document.
- (ii) Identify **three** formatting styles applied to the document.

(7 marks)

4. (a) Name the parts labelled (i), (ii), (iii) and (iv) in the following email address.



(4 marks)

- (b) Describe **three** business activities that are supported by computer networks.

(6 marks)



5. (a) With the aid of sketches, identify **two** page orientation styles in DeskTop publishing (DTP) applications. (4 marks)
- (b) Explain each of the following terms as used in Information Communication Technology (ICT).
- (i) web browser;
- (ii) web address;
- (iii) search engine. (6 marks)
6. (a) Outline the procedure for inserting an image to a slide in presentation packages. (4 marks)
- (b) **Table 1** shows a spreadsheet of units of production output in a factory.

**Table 1**

	A	B		D	E
1	NAME / PRODUCT	BOLTS	NUTS	WASHERS	SPRINGS
2	JOEL	35	40	80	36
3	PAUL	34	42	78	32
4	GEORGE	36	38	72	34
5	MARK	30	44	82	35
6	TOTAL				
7	MEAN				
8	HIGHEST				

Write a function to obtain:

- (i) mean of bolts produced;
- (ii) total number of springs produced;
- (iii) highest number of washers produced.

(6 marks)

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3

Turn over

1503/101

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$$\begin{array}{r}
 80 \\
 72 \\
 \hline
 158 \\
 72 \\
 \hline
 230 \\
 82 \\
 \hline
 312
 \end{array}$$

$A = 312 = 82 - 72$



7. (a) Explain each of the following terms as used in computing:
- (i) computing;
  - (ii) database;
  - (iii) data bank.
- (4 marks)
- (b) Describe **three** unethical behaviour that may arise from the use of information communication technology in society. (6 marks)

**SECTION B: ENTREPRENEURSHIP EDUCATION (40 marks)**

*Answer any **FOUR** questions from this section.*

8. (a) Outline **four** challenges that may be faced by an individual when starting a business. (4 marks)
- (b) Describe **three** pricing strategies that a business operator may adopt. (6 marks)
9. (a) List **four** characteristics of a good entrepreneur. (4 marks)
- (b) Explain **three** ways in which potential entrepreneurs may match competencies to existing opportunities. (6 marks)
10. (a) State **four** economic factors that may motivate individuals to venture into entrepreneurship. (4 marks)
- (b) Certain cultural habits limit entrepreneurial development in a country. Explain **three** such habits. (6 marks)
11. (a) (i) Explain 'Enterprise Social Responsibility'.
- (ii) State **four** objectives that a small business may seek to achieve through engaging in social responsibility activities. (6 marks)
- (b) Outline **four** sources of business ideas. (4 marks)
12. (a) State **four** disadvantages of a partnership form of business. (4 marks)
- (b) Explain **three** measures that an entrepreneur should take to manage business finances effectively. (6 marks)

**THIS IS THE LAST PRINTED PAGE.**

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