

1501/101 1508/101 1601/101 1704/101  
1503/101 1509/101 1602/101  
INFORMATION COMMUNICATION  
TECHNOLOGY AND ENTREPRENEURSHIP  
EDUCATION  
Oct./Nov. 2021  
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 & ELECTRONIC 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 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

Answer **SIX** questions from this section.

1. (a) Outline **four** uses of Information Communication Technologies (ICT) in manufacturing industries. (4 marks)
- (b) Describe each of the following components of the central processing unit of a computer:
- (i) control unit;
  - (ii) arithmetic and logic unit;
  - (iii) main memory unit.
- (6 marks)
2. (a) List **four** types of computer application software. (4 marks)  
*Application packages*  
*Application utility*
- (b) Explain the reason for performing each of the following disk management procedures:
- (i) formatting;
  - (ii) scanning;
  - (iii) copying.
- (6 marks)
3. (a) Explain **three** ways through which computer virus infections can be detected. (6 marks)  
*If process wrong information of detect*  
*virus lead to low processing of data which can lead to time consuming*
- (b) Highlight **four** offences covered by the cyber crime laws of Kenya. (4 marks)
4. (a) Explain **two** advantages of the ring network topology. (4 marks)
- (b) Explain **three** requirements for a computer to connect to the internet. (6 marks)  
*power*  
*data*
5. (a) State the function of each of the following objects of a database:
- (i) tables;
  - (ii) queries;
  - (iii) forms.
- (6 marks)
- (b) Explain **two** ways of storing data in an organization. (4 marks)



- 6. (a) List **four** icons found on the formatting toolbar of a word processor. (4 marks)
- (b) John typed a document using a word processor. Explain the procedure he would follow to perform each of the following tasks:
  - (i) create text columns;
  - (ii) delete unwanted text.

(6 marks)

- 7. (a) Table 1 is an extract from a spreadsheet showing the sales of different products in a hardware.

**Table 1**

	A	B	C	D
1	<b>PRODUCT</b>	<b>SEPT.</b>	<b>OCT.</b>	<b>NOV.</b>
2	Cement	450	690	510
3	Nails	400	550	360
4	Timber	14,000	20,000	17,000
5	Totals			

Write a function to compute each of the following:

- (i) quantity of cement sold for the period;
  - (ii) average quantity of nails sold for the period;
  - (iii) quantity of cement and nails sold for September;
  - (iv) lowest quantity of timber sold for the period.
- (4 marks)
- (b) State **two** types of publications created using desktop publishing software. (2 marks)
  - (c) A student is in the process of creating a presentation. Outline **four** types of slide layouts that the student may use. (4 marks)



## SECTION B: ENTREPRENEURSHIP EDUCATION

Answer **FOUR** questions from this section.

8. (a) Explain **two** ways through which entrepreneurship contributes to the economic development of a country. (4 marks)
- (b) Highlight **three** reasons that led to the teaching of entrepreneurship in institutions of higher learning. (6 marks)
9. (a) Outline **four** cultural habits responsible for the growth of entrepreneurship in Kenya. (4 marks)  
*hard working, money orientation, trust and honesty, innovation*
- (b) Explain each of the following myths in relation to entrepreneurship:
- (i) entrepreneurs as young and energetic;
  - (ii) entrepreneurs as doers;
  - (iii) entrepreneurs as gamblers.
- (6 marks)
10. (a) Outline **four** rules that should be followed for brainstorming sessions to be effective. (4 marks)
- (b) Joan intends to start a business upon completion of her studies. Explain **three** personal preparations that she should make in order to realize her dream. (6 marks)
11. (a) List **four** business records that may be maintained by an enterprise. (4 marks)
- (b) Explain **three** factors that an entrepreneur should consider when setting prices for goods and services in a competitive trading environment. (6 marks)  
*under cost, competition*
12. (a) State **four** social responsibility activities that a construction company may engage in. (4 marks)
- (b) Explain **three** benefits that a company may derive from online trading. (6 marks)  
*new technology*

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