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)

   (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)

   (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)

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	PRODUCT	SEPT.	OCT.	NOV.
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)

   (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)

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)

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