THE KENYA NATIONAL EXAMINATIONS COUNCIL

CRAFT CERTIFICATE IN MECHANICAL ENGINEERING (PRODUCTION OPTION)
CRAFT CERTIFICATE IN AUTOMOTIVE ENGINEERING
CRAFT CERTIFICATE IN WELDING AND FABRICATION
CRAFT CERTIFICATE IN ELECTRICAL & ELECTRONIC TECHNOLOGY (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 from 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 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) Arrange the following types of computers according to their physical sizes starting with the smallest

   Main frame, supercomputer, minicomputer, laptop, desktop computer, palmtop, work station, tower computer. (4 marks)

   (b) (i) Explain the term computer.

   (ii) Distinguish between computer hardware and computer software. (6 marks)

2. (a) Figure 1, shows the functional components of a computer system:
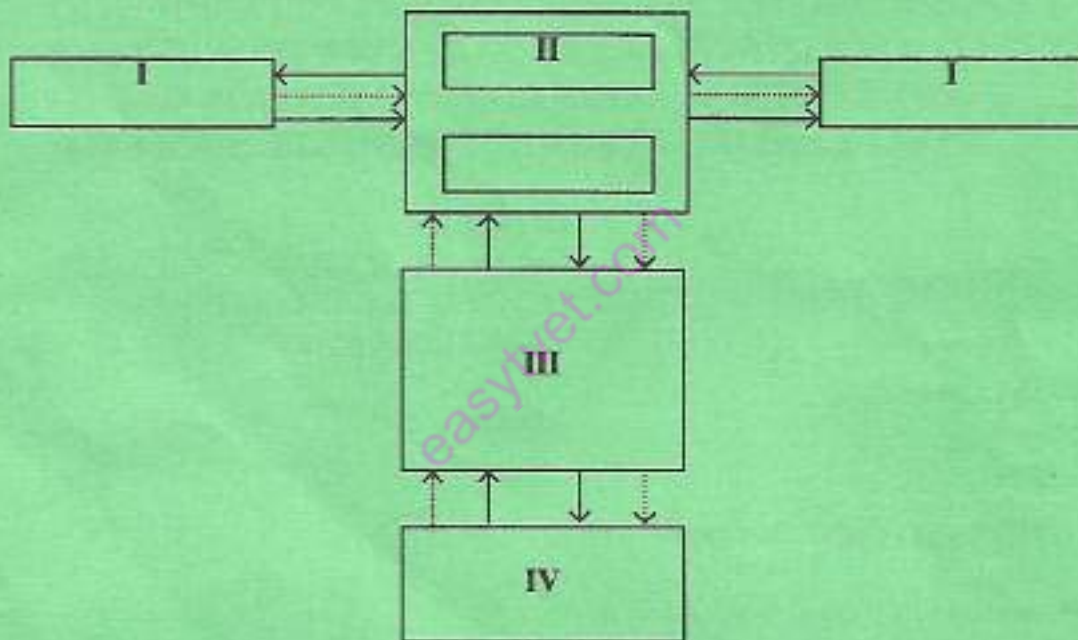   Identify the components labelled I, II, III and IV. (4 marks)

Fig. 1

   (b) Outline **three** safety precautions that may be taken to minimize damage to a Digital Versatile Disk (DVD). (3 marks)

   (c) Write the Ms- DOS command that would achieve each of the following:

   (i) Listing the contents of a folder;
   (ii) Changing from a folder to a subfolder.
   (iii) Deleting a folder and all its subfolders. (3 marks)

3. (a) Distinguish between authentication and authorization as used in data security.

(4 marks)

(b) Outline **three** reasons that make cyber crime, perpetrators tend to go without conviction.

(3 marks)

(c) Classify the following word processing activity as either editing or formatting:

(i)   moving text;
(ii)   changing font style
(iii)   deleting text;
(iv)   checking spelling;
(v)   increase indent;
(vi)   change case.

(3 marks)

4. (a) (i) With the aid of a sketch, outline each of the following terms as used in spread sheets.

(I)   column;
(II)   row;
(III) cell.

(ii) Describe **two** cell data types in a spreadsheet.

(6 marks)

(b) List **four** tool bars found on a word processing window.

(2 marks)

(c) State **two** risky assignments in which computers may be deployed in the place of humans.

(2 marks)

5. (a) Outline the steps, followed when creating a relationship between tables in an existing databases. (5 marks)

(b) Table 1 shows the marks scored by students in various subjects and stored in a word processing table. Use it to answer the questions that follow:

Table 1

	Name	Maths	Cartography	Computer Studies	Total
1.	Alex M.	20	40	50	
2.	Joan K.	30	50	90	
3.	Susan K.	70	40	20	
4.	Moses	50	49	70	
	Subject Mean				

Write a formula to calculate:

(i) The total marks for the student named Alex: $= 20 + 40 +$
(ii) The mean score for Maths. (2 marks)

(c) Outline **two** options used to include a table in a word processing document. (1 mark)

(d) Explain the significance of a red wavy underline in a word processing document. (2 marks)

6. ✗ (a) (i) With the aid of a diagram, explain the mesh computer network topology;

(ii) Outline **three** disadvantages of the mesh computer network topology. (6 marks)

(b) Explain the function of **two** logical operators in a database. (4 marks)

7. (a) Explain each of the following terms as used in desktop publishing:

(i) importing text;
(ii) linking objects. (4 marks)

(b) Explain **three** factors that should be considered when designing slides in a presentation package. (6 marks)

SECTION B: ENTREPRENEURSHIP EDUCATION (40 marks)

Answer FOUR questions from this section.

8. (a) Explain **two** ways in which entrepreneurs may contribute to the national income of a country. (4 marks)

    (b) (i) List **four** sources of funds that may be available to a sole proprietor.
        (ii) State **four** challenges that may be associated with a partnership form of business. (6 marks)

9. (a) Outline **four** economic factors that hinder the growth of entrepreneurship in the developing countries. (4 marks)

    (b) State **six** features of a visionary entrepreneur. (6 marks)

10. (a) Outline **four** documents that a Kenyan entrepreneur should submit when registering a business with the Registrar of companies. (4 marks)

    (b) Explain **three** challenges that may be faced a as a result of keeping paper records in an organisation. (6 marks)

11. (a) Explain each of the following phrases as used in entrepreneurship:

        (i) idea generation;
        (ii) business opportunity. (4 marks)

    (b) Outline **four** functions of a business plan in an enterprise. (4 marks)

    (c) List **four** ways in which an entrepreneur may use mobile banking. (2 marks)

12. (a) State **five** obligations of a business enterprise in relation to social responsibility. (5 marks)

    (b) Highlight **five** limitations of e-commerce. (5 marks)

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