

SC94

Name \_\_\_\_\_

Index No. \_\_\_\_\_

1501/101, 1601/101

1503/101, 1602/101

**INFORMATION COMMUNICATION TECHNOLOGY  
AND ENTREPRENEURSHIP EDUCATION**

Oct./Nov. 2013

Time: 3 hours

Candidate's Signature \_\_\_\_\_

Date \_\_\_\_\_



**THE KENYA NATIONAL EXAMINATIONS COUNCIL**

**CRAFT CERTIFICATE IN MECHANICAL ENGINEERING  
(PRODUCTION OPTION)**

**(AUTO OPTION)**

**ELECTRICAL & ELECTRONICS ENGINEERING**

**(POWER OPTION)**

**(TELECOMMUNICATION OPTION)**

**INFORMATION COMMUNICATION TECHNOLOGY  
AND ENTREPRENEURSHIP EDUCATION**

**3 hours**



**INSTRUCTIONS TO CANDIDATES**

*Write your name and index number in the spaces provided above.*

*Sign and write the date of examination in the spaces provided above.*

*This paper consists of TWO sections; A and B.*

*Answer any SIX questions from section A and any FOUR questions from section B in the spaces provided in the question paper.*

*All questions carry equal marks.*

*Maximum marks for each part of a question are as indicated.*

*Do NOT remove any pages from this booklet.*

*Candidates should answer the questions in English.*

**For Examiner's Use Only**

**SECTION A**

Question	1	2	3	4	5	6	7	TOTAL SCORE
Candidate's Score								

**SECTION B**

Question	8	9	10	11	12	TOTAL SCORE	Grand Total
Candidate's Score							

**This paper consists of 20 printed pages.**

**Candidates should check the question paper to ascertain that all the pages are printed as indicated and that no questions are missing.**



Answer SIX questions from this section.

1. (a) List **three** types of back ups. (3 marks)
- (b) Explain the functions of the following as applied in operating systems:-
- (i) scan disk;
  - (ii) defragmentor.
- (4 marks)
- (c) Describe the following types of files, citing an example in each case:-
- (i) program files;
  - (ii) text files;
  - (iii) executable files.
- (3 marks)
2. (a) Explain the following terms as applied in the Computer Architecture:-
- (i) address bus;
  - (ii) data bus;
  - (iii) control bus.
- (3 marks)
- (b) Distinguish between the following parts of a computer system:-
- (i) light pen and keyboard;
  - (ii) mouse and joystick.
- (4 marks)
- (c) A leading supermarket intends to link all its computers in different branches across the country. State **three** benefits the supermarket is likely to realize by taking this action. (3 marks)
3. (a) Internet is increasingly being used by children in many households. State **three** negative effects this may impart on the children. (3 marks)
- (b) Differentiate between Local Area Network (LAN) and Wide Area Network (WAN). (4 marks)
- (c) With the aid of a diagram, explain the stars topology. (3 marks)
4. (a) Explain **two** circumstances that would cause an organization to prefer impact printers to non-impact printers. (2 marks)

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- (c) Distinguish between encryption and fire walls as applied to computer software security and privacy. (4 marks)
- (d) Describe the term 'multiprogramming' as applied in computers. (2 marks)
5. (a) Using suitable examples, explain the following:-
- (i) spreadsheet;
- (ii) on-line services;
- (iii) software suite. (6 marks)
- (b) George works as the documenter with Commercial Bank of Africa. He has been asked to prepare financial records for the last ten years.
- (i) Identify a suitable package he can use to perform the task.
- (ii) List **three** advantages of using the package compared to manual systems. (4 marks)
6. (a) Highlight **three** functional capabilities that are build into a word processor. (3 marks)
- (b) Explain the term 'Open Source Software', as applied in computer applications. (2 marks)
- (c) Rose Daniel is a Senior Consultant at KIET Partners and Associates and has been appointed to assist in the development of presentation for a seminar on management of utility resources using computers.
- (i) State the suitable software she is likely to use. (1 mark)
- (ii) Articulate the process to be followed in the preparation to make the presentation a worthy undertaking. (4 marks)
7. (a) Highlight **four** social problems resulting from computing technology in Kenya. (4 marks)
- (b) Distinguish between the 2nd generation and 4th generation computers in the advancement of Information Technology. (4 marks)
- (c) Outline **two** advantages of Satellite Technology Communication in the propagation of airwaves compared to Telegraphy. (2 marks)





## SECTION B: ENTREPRENEURSHIP EDUCATION (40 marks)

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

8. (a) Distinguish between the following terminologies:-
- (i) intrapreneurship;  
(ii) entrepreneurship. (4 marks)
- (b) Differentiate the meaning of the following terms:-
- (i) leadership;  
(ii) management. (3 marks)
- (c) List **three** characteristics of an entrepreneur. (3 marks)
9. (a) Describe **two** causes of business failure. (4 marks)
- (b) Explain **three** factors to be considered in locating a retail outlet. (3 marks)
- (c) Outline **three** obstacles that youth entrepreneurs should overcome in a business environment. (3 marks)
10. (a) Outline the components of a business plan. (4 marks)
- (b) Explain **three** roles of an entrepreneur according to the economic school of thought. (3 marks)
- (c) Discuss **three** stages of a business life cycle. (3 marks)
11. (a) Express **three** pathways of becoming an entrepreneur. (3 marks)
- (b) Highlight **three** reasons that lead to business failure. (3 marks)
- (c) Explain the major sources of equity financing. (4 marks)
12. (a) Outline **three** sources of Debt Financing. (3 marks)
- (b) State **three** disadvantages of debt financing over credit financing. (3 marks)
- (c) Outline **two** business ethics frequently abused. (4 marks)

