

1501/101      1508/101      1602/101  
1503/101      1601/101      1704/101  
INFORMATION COMMUNICATION  
TECHNOLOGY AND ENTREPRENEURSHIP  
EDUCATION

June/July 2017

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 & 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 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.**

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**SECTION A: ICT (60 marks)**

*Answer SIX questions from this section.*

1. (a) Explain the purpose of each of the following types of memory in a computer:
- (i) RAM; *can read data written in any sequence*
  - (ii) ROM. (4 marks)
- (b) Distinguish between a printer and a plotter. (4 marks)
- (c) The price of computers has continued to decrease across the various generations. Explain the cause of this price reduction. (2 marks)
2. (a) Explain each of the following terms:
- (i) software upgrade;
  - (ii) software maintenance. (4 marks)
- (b) Name **two** examples of each of the following types of software:
- (i) database;
  - (ii) spreadsheet. *= message book, letters 1-2-3* (2 marks)
- (c) Explain each of the following operating system functions:
- (i) job scheduling;
  - (ii) memory management. (4 marks)
3. (a) Explain **three** types of passwords that can easily be hacked into. (6 marks)
- (b) Distinguish between auto-correct and auto-complete features in a word processing program. (4 marks)
4. (a) Describe each of the following actions on a word processing table.
- (i) merge cells;
  - (ii) clear cells;
  - (iii) split cells. (6 marks)
- (b) Explain the purpose of the following formula in a spreadsheet program.
- `= IF(H4 = "Female", K4 * B$17, IF(H4 = "Male", K4 * B$18, 0))` (4 marks)

5. (a) Explain the use of each of the following in a spreadsheet document:
- (i) freezing rows;
  - (ii) freezing columns;
  - (iii) hiding columns. (6 marks)
- (b) Explain each of the following terms as used in databases:
- (i) data redundancy;
  - (ii) data integrity. (4 marks)
6. (a) A receipt for a hardware shop shows; item, particulars, quantity, unit price, amount for each item and total amount payable.
- (i) state the fields in the list that should not be included in the receipts table;
  - (ii) explain the reason for your answer in 6(a)(i). (4 marks)
- (b) Explain **three** functions of computer networks in a learning institution. (6 marks)
7. (a) Outline the steps that should be followed when drawing each of the following shapes in a desktop publishing program:
- (i) rectangle;
  - (ii) circle. (5 marks)
- (b) Explain the phrase "running slides" as used in presentation programs. (2 marks)
- (c) Organizations are increasingly receiving job applications via electronic means. State three benefits of this approach to the sender. (3 marks)

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

*Answer FOUR questions from this section.*

8. (a) State **four** characteristics of a good record keeping system. (4 marks)
- (b) Outline **six** obstacles that a startup entrepreneur may encounter. (6 marks)
9. (a) State **four** indicators of a viable business idea. (4 marks)
- (b) Mr. Kimanzi operates a sole proprietorship. Explain **three** disadvantages of this form of business ownership. (6 marks)
10. (a) Outline **four** reasons that make financial planning important in a business enterprise. (4 marks)
- (b) State **six** challenges that may be associated with the use of computers in a business enterprise. (6 marks)
11. (a) Explain each of the following terms:
- (i) entrepreneurship;
- (ii) enterprise management. (4 marks)
- (b) State **six** benefits that an entrepreneur may derive from business networking. (6 marks)
12. (a) List **six** problems that a social entrepreneur may seek to address. (3 marks)
- (b) Explain the term intrapreneur. (2 marks)
- (c) In relation to the economy of a country, state **five** reasons that make entrepreneurs important. (5 marks)

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