

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.**

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. *= Microsoft excel, Lotus 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*BS\$17,IF(H4 ="Male" ,K4*BS\$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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