

1501/101    1508/101    1602/101  
1503/101    1601/101    1704/101  
INFORMATION COMMUNICATION  
TECHNOLOGY AND ENTREPRENEURSHIP  
EDUCATION  
Oct./Nov. 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 from 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) Describe each of the following types of computers:
- (i) Supercomputer;
  - (ii) Minicomputer;
  - (iii) Microcomputer. (6 marks)
- (b) Write each of the following abbreviations in full:
- (i) CD-ROM; Compact disk Read only memory
  - (ii) CR-RW; Compact disk Rewritable
  - (iii) CD-R; Compact Disk Readable
  - (iv) RAM. Random access memory (2 marks)
- (c) State **two** benefits derived from using a bar code reader for data capture. (2 marks)
2. (a) Describe each of the following types of software:
- (i) editor;
  - (ii) compiler. (4 marks)
- (b) Explain **three** activities that may be performed on a disk using an operating system. (6 marks)
3. (a) State **three** measures that may be taken to make a password difficult to hack. (3 marks)
- (b) State **three** ways of protecting a flash disk. (3 marks)
- (c) Outline the steps that should be followed when saving a document in word processing. (2 marks)
- (d) State **two** benefits of using tables in word processing. (2 marks)
4. (a) Explain each of the **three** drop cap options in word processing. (6 marks)
- (b) (i) Explain the term cell as used in spreadsheet. (2 marks)
- (ii) Explain the method of naming cells in a spreadsheet. (2 marks)



5. (a) Distinguish between worksheet and workbook as used in spreadsheet. (4 marks)
- (b) State the formula that should be used in a database to compute each of the following:
- (i) Multiply a value stored in a field named 'quantity' with another value stored in a field named "unit price" in a form.
  - (ii) Compute the grand total of a field named "Amount" in a report.
  - (iii) Obtain the mean value from a field named score in a report. (6 marks)
6. (a) Describe each of the following types of computer networks:
- (i) Metropolitan area network;
  - (ii) Wide area network. (4 marks)
- (b) Outline the steps that should be followed to view a document sent via electronic mail. (6 marks)
7. (a) State **two** benefits of organizing text into frames in desktop publishing. (2 marks)
- (b) Explain each of the following terms as used in desktop publishing:
- (i) scaling;
  - (ii) kerning. (4 marks)
- (c) Distinguish between transition and animation as used in presentation programs. (4 marks)



## SECTION B: ENTREPRENEURSHIP EDUCATION (40 marks)

Answer **FOUR** questions from this section.

8. (a) List **six** methods that the management of a business enterprise may use to promote its products. *- board meeting*  
*- offers and discounts*  
*- Branding* (3 marks)
- (b) Mike is a college graduate who is intending to start his own business. Outline **four** characteristics that he should possess to succeed in this field. (4 marks)
- (c) State **three** rules that should be followed when using the brainstorming method to generate a business idea. (3 marks)
9. (a) Outline **three** infrastructural facilities that an entrepreneur should consider when starting a business. *- market*  
*- roads*  
*- electricity*  
*- raw materials* (3 marks)
- (b) List **four** elements of the executive summary of a business plan. (4 marks)
- (c) State **three** advantages of being a salaried employee. (3 marks)
10. (a) Outline **four** advantages of using computers in a business enterprise. (4 marks)
- (b) Explain **three** ways in which cultural factors may positively influence entrepreneurship. *Social*  
*Psychological*  
*CO* (6 marks)
11. (a) Explain **two** reasons that make it necessary to keep good financial records in an enterprise. (4 marks)
- (b) Explain **three** circumstances under which the political environment of a country may suppress entrepreneurship development. (6 marks)
12. (a) Outline **four** challenges that an entrepreneur may face at the growth phase of a business. (4 marks)
- (b) Explain **three** requirements of a good enterprise social responsibility policy. (6 marks)

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