

1501/101 1503/101 1508/101
1601/101 1602/101 1704/101

**INFORMATION COMMUNICATION TECHNOLOGY
AND ENTREPRENEURSHIP EDUCATION**

Oct./Nov. 2016

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

You should have an answer booklet for this examination;

This paper consists of TWO sections A and B.

Answer any SIX the questions from section A and any FOUR questions in section B.

All questions carry equal marks.

Maximum marks for each part of a question are as shown.

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: INFORMATION COMMUNICATION TECHNOLOGY (60 marks)

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

1. (a) Express the following data storage measurements in terms of bytes:
 - (i) kilo byte;
 - (ii) mega byte;
 - (iii) giga byte;
 - (iv) tera byte.

(4 marks)
- (b) Highlight the **three** types of relationships used when designing databases. (3 marks)
- (c) List **six** elements of a chart with reference to spreadsheets. (3 marks)

2. (a) Outline **three** categories of monitors. (3 marks)
- (b) Describe **four** types of section breaks used in word processing. (4 marks)
- (c) Outline the role of each of the following microsoft disk operating system (MS DOS) commands:
 - (i) DEL
 - (ii) MD
 - (iii) DELTREE

(3 marks)

13. (a) Explain the term "white space" as used in desktop publishing applications. (2 marks)
- (b) Explain **four** advantages of mobile computing. (8 marks)

4. (a) Outline the procedure that should be followed when grouping worksheets in a spreadsheet program. (4 marks)
- (b) Distinguish between network protocols and communication protocols. (4 marks)
- (c) Explain the term "default folder" as used in computers. (2 marks)

5. (a) State **four** functions of an operating system. (4 marks)
- (b) Explain **three** format rules that should be followed to make passwords strong security mechanisms. (6 marks)

6. (a) Outline **three** advantages of the bus network topology. (3 marks)
- (b) Outline the procedure for rotating a title text to the desired degree using a desktop publishing program. (3 marks)
- (c) Highlight **four** measures that should be taken to reduce illegal use of software. (4 marks)
7. (a) Explain the **four** components of the following internet address:
http://www.cafe.educ/hom.htm. (4 marks)
- (b) Explain **three** reasons for adopting a database as a basis for an information system. (6 marks)

SECTION B: ENTREPRENEURSHIP EDUCATION (40 marks)

Answer any FOUR questions in this section.

8. (a) List **six** stakeholders of a business enterprise. (3 marks)
- (b) Outline **three** disadvantages of self employment. (3 marks)
- (c) State **four** uses of money in a business enterprise. (4 marks)
9. (a) State **four** limitations of using information communication technology (ICT) in a business enterprise. (4 marks)
- (b) Explain **three** factors that an entrepreneur should consider when selecting an appropriate form of business ownership. (6 marks)
10. (a) Business enterprises are increasingly giving loyalty cards to their customers. Explain **two** reasons that may account for this trend. (4 marks)
- (b) Explain **three** ways in which the political environment of a country may hinder entrepreneurship development. (6 marks)

11. (a) Explain the meaning of each of the following terms as used in entrepreneurship:
- (i) outsourcing;
 - (ii) business opportunity. (4 marks)
- (b) List **six** personal traits that may hinder the success of an entrepreneur. (3 marks)
- (c) Outline **three** challenges that an entrepreneur may face during the start-up phase of a business. (3 marks)
12. (a) Business enterprises occasionally seek consultancy services. Highlight **four** factors that should be considered when selecting a consultant. (4 marks)
- (b) Explain **three** circumstances under which a business plan may be modified. (6 marks)

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