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.

Turn over

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 on 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 made of naming cells in a spreadsheet. (2 marks)

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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. _– bread tasting_
        – offers and discounts (3 marks)
        – Branding

    (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_ (3 marks)
        – Roads
        – Electricity
        – Raw materials

    (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 (6 marks)
        Psychological
        _C@_

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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