

2506/101
2507/101
ENTREPRENEURSHIP AND
COMMUNICATION TECHNOLOGY
June/July 2019
Time: 3 hours



THE KENYA NATIONAL EXAMINATIONS COUNCIL
DIPLOMA IN AERONAUTICAL ENGINEERING
(AIRFRAMES AND ENGINES OPTION)
(AVIONICS OPTION)

MODULE I

ENTREPRENEURSHIP AND COMMUNICATION TECHNOLOGY

3 hours

INSTRUCTIONS TO CANDIDATES

You should have the following for this examination:

Drawing instruments;

Mathematical tables/Non programmable scientific calculator;

Answer booklet.

This paper consists of TEN questions in THREE sections; A, B and C.

Answer question ONE and any other ONE question from section A.

Answer any TWO questions from section B and any ONE question from section C.

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

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 (40 marks)

Answer question ONE and any other ONE question from this section.

1. (a) Outline **four** features of the fifth generation computers. (4 marks)
- (b) Distinguish between each of the following sets of computer hardware components:
- (i) Optical Character Reader (OCR) and Optical Mark Reader (OMR);
 - (ii) Ink Jet Printer and Laser Jet Printer. (8 marks)
- (c) (i) Define a computer operating system.
- (ii) Explain **three** functions of a computer operating system. (8 marks)
2. (a) Describe the following types of application software, stating **two** examples in each case:
- (i) data base management software;
 - (ii) desk top publishing. (6 marks)
- (b) Describe the following types of computer crimes:
- (i) hacking;
 - (ii) cyber stalking;
 - (iii) phishing. (9 marks)
- (c) Identify **five** types of computer viruses. (5 marks)
3. (a) State the function of each of the following icons on a computer desktop:
- (i) My computer;
 - (ii) Task bar;
 - (iii) Recycle bin;
 - (iv) Internet explorer. (4 marks)

- (b) Outline the procedure of inserting page numbers using Microsoft Word. (6 marks)
- (c) Explain each of the following terms as used in Microsoft excel:
- (i) cell;
 - (ii) label.
- (4 marks)
- (d) Outline the steps of performing each of the following tasks in Microsoft Excel:
- (i) hiding a sheet;
 - (ii) entering a formula.
- (6 marks)
4. (a) (i) Identify **four** types of computer networks.
- (ii) Explain **three** advantages of computer networks.
- (8 marks)
- (b) (i) Explain **two** requirements for internet connectivity.
- (ii) State **four** disadvantages of using the internet.
- (8 marks)
- (c) Outline the procedure for saving a presentation using Microsoft Powerpoint. (4 marks)

SECTION B: ENTREPRENEURSHIP (40 marks)

Answer any TWO questions from this section.

5. (a) Explain **five** roles played by entrepreneurship in national development. (10 marks)
- (b) Explain **five** social factors that may affect entrepreneurial development. (10 marks)
6. (a) Highlight **five** benefits of entrepreneurial culture to society. (10 marks)
- (b) Explain the following myths associated with entrepreneurship:
- (i) entrepreneurs are doers, not thinkers;
 - (ii) entrepreneurs are born, not made;
 - (iii) entrepreneurs are extreme risk takers, not gamblers.
- (10 marks)

7. (a) Highlight **five** reasons that make practising entrepreneurs to keep on generating new business ideas. (10 marks)
- (b) Explain the stages of a business life cycle. (10 marks)
8. (a) Outline **five** contents of the business description section of a business plan. (5 marks)
- (b) Outline **five** functions of entrepreneurs in managing each of the following resources of an enterprise:
- (i) finances;
- (ii) human resources. (10 marks)
- (c) Outline **five** social concerns of a business to its immediate community. (5 marks)

SECTION C: COMMUNICATION SKILLS (20 marks)

Answer any ONE question from this section.

9. (a) (i) Explain **three** principles of effective communication.
- (ii) Explain **two** language-related barriers to effective communication. (10 marks)
- (b) Highlight **three** benefits of external communication to a business. (6 marks)
- (c) Explain **two** limitations of written communication. (4 marks)
10. (a) (i) Explain **three** objectives of downward communication.
- (ii) Explain each of the following means of downward communication:
- (I) circular;
- (II) bulletins. (10 marks)
- (b) John has been invited for a job interview. Explain **three** preparations that he should make. (6 marks)
- (c) State **four** functions of memos as a means of internal communication in an organisation. (4 marks)

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