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Name:	<u></u>	Index No:	_/
1507/113, 1819/101	ESUIA NAVIO	Candidate's Signature:	
1801/101, 1901/101			
1802/101 1907/101		Date:	
ICT, MATHEMATICS AND	(31)		

Oct./Nov. 2015 Time: 3 hours

ENTREPRENEURSHIP

THE KENYA NATIONAL EXAMINATIONS COUNCIL

CRAFT CERTIFICATE IN BAKING TECHNOLOGY CRAFT CERTIFICATE IN PETROLEUM GEOSCIENCE CRAFT CERTIFICATE IN FASHION DESIGN AND GARMENT MAKING TECHNOLOGY CRAFT CERTIFICATE IN FOOD AND BEVERAGE PRODUCTION SALES AND SERVICE CRAFT CERTIFICATE IN CATERING AND ACCOMMODATION OPERATIONS MODULE I

ICT, MATHEMATICS AND ENTREPRENEURSHIP

3 hours

INSTRUCTIONS TO CANDIDATES

Write your name and index number in the spaces provided above.

Sign and write the date of the examination in the spaces provided above.

You should have a scientific calculator for this examination.

This paper consist of TWO Sections; A and B.

Answer ALL questions in section A, as well as questions Q11, Q12 and Q13 and any ONE question from section B in the spaces provided.

Marks for each part/and section of a question are as indicated.

Do NOT remove any pages from this question paper.

Candidates should answer the questions in English.

For Examiner's Use Only

Section	Question	Maximum Score	Candidate's Score
A	1 - 10	40	
	11	15	
В	12	15	
	13	15	
		15	
	Total Score		

This paper consists of 16 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

Answer ALL the questions in this section in the spaces provided after each question.

Disti	nguish between analog computers and digital computers.	(4 marks
State	two examples of each of the following output devices:	
(a)	hard copy out devices;	(2 marks
(b)	soft copy out devices.	(2 marks)
Expla	in the function of each of the following mouse activities:	<u> </u>
(a) 	double-click;	(2 marks)
(b)	Scrolling.	(2 marks)
Outlin	ne four ways through which software can be acquired by a college.	(4 marks)

	termine the equation of the line that passes through $(1,4)$ and is parallel to the line whattion is $x + 2y = 5$.
bal	x 1 contains two red balls and three green balls. Box 2 contains four red balls and on 1. One ball is picked at random from box 1 and placed in box 2. Once more, a ball is random from box 2. Determine the probability that the ball picked from box 2 is gree (4)

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SECTION B

Answer question 11, 12, 13 and any other ONE question from this section in the spaces provided after question 16.

- 11. (a) State **four** ways in which an operating system can be used to manage a storage media. (4 marks)
 - (b) Distinguish between cold booting and warm booting as used in computers. (4 marks)
 - (c) Outline **four** ways in which a user can customise an operating system after its installation. (4 marks)
 - (d) Ann created a table in a word processor. Outline **three** formats that she could have applied on the table. (3 marks)
- 12. (a) A student has seven books that she would like to place in her bag. The bag has room for only four books. Calculate the number of ways of placing four books into the bag.

 (4 marks)
 - (b) A team of four people is being formed. There are four different positions on the team.

 Determine the number of ways to assign the four people to the four positions.

 (4 marks)
 - .
 - (c) Figure 1 shows a plan of land having dimensions in centimetres. If the plan is to the scale 1:200,000 determine the actual area in m². (7 marks)

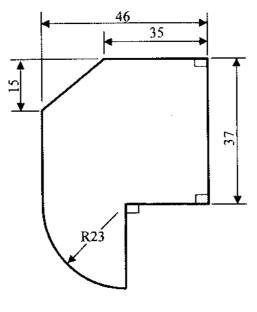


Fig. 1

13.	(a)	Outline three circumstances under which sole proprietorship may be a	favourable form
		of business ownership.	(3 marks)

- (b) Human resource planning is an important aspect of management. Explain **three** objectives that this practice may seek to achieve in an organisation. (6 marks)
- (c) Explain **three** benefits that may accrue to an organisation that encourages effective communication. (6 marks)
- 14. (a) Distinguish between relative and absolute cell referencing as used in spreadsheet. (4 marks)
 - (b) Table 1 shows a query table in a database program. Use it to answer the questions that follow:

Table 1

Field	ADNO	NAME	CAT
Table	FORM1	FORM1	FORM1
Sort	Ascending		
Show	V		
Criteria		like ("J*")	

	(i) State the:		
		(I) name of the table;	(1 mark)
		(II) appropriate data type for the fields.	(1 mark)
	(ii)	Explain the query.	(3 marks)
(c) Describe e		cribe each of the following types of network:	
	(i)	LAN;	(1 mark)
	(ii)	WAN.	(1 mark)

(d) Write each of the following abbreviations used in computers in full:

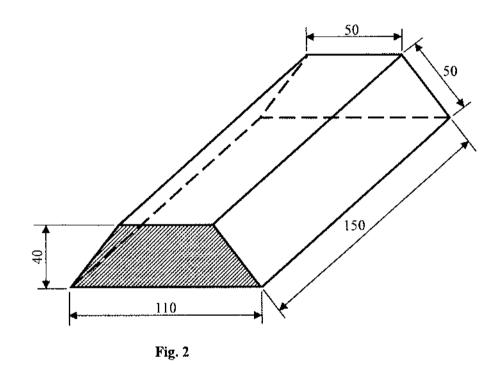
(i) MAN; (1 mark)

(ii) WWW; (1 mark)

(iii) ATTP; (1 mark)

(iv) BCC. (1 mark)

15. (a) Figure 2 shows a solid prism having dimensions in cm.



Calculate its:

(i) volume; (4 marks)

(ii) surface area. (5 marks)

(b) The number of points scored by three teams A, B and C in a season are as shown in table 2.

Table 2

Team	A	В	C
Points	90	108	96

Draw a bar graph for the points using a verical scale, ranging from 80 to 110.

(6marks)

- 16. (a) State **three** reasons that may make an individual to prefer self employment to salaried employment. (3 marks)
 - (b) Explain three benefits that may accrue to an organisation that is innovative.

(6 marks)

(c) Explain **three** technical limitations of e-commerce.

(6 marks)