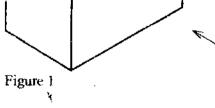
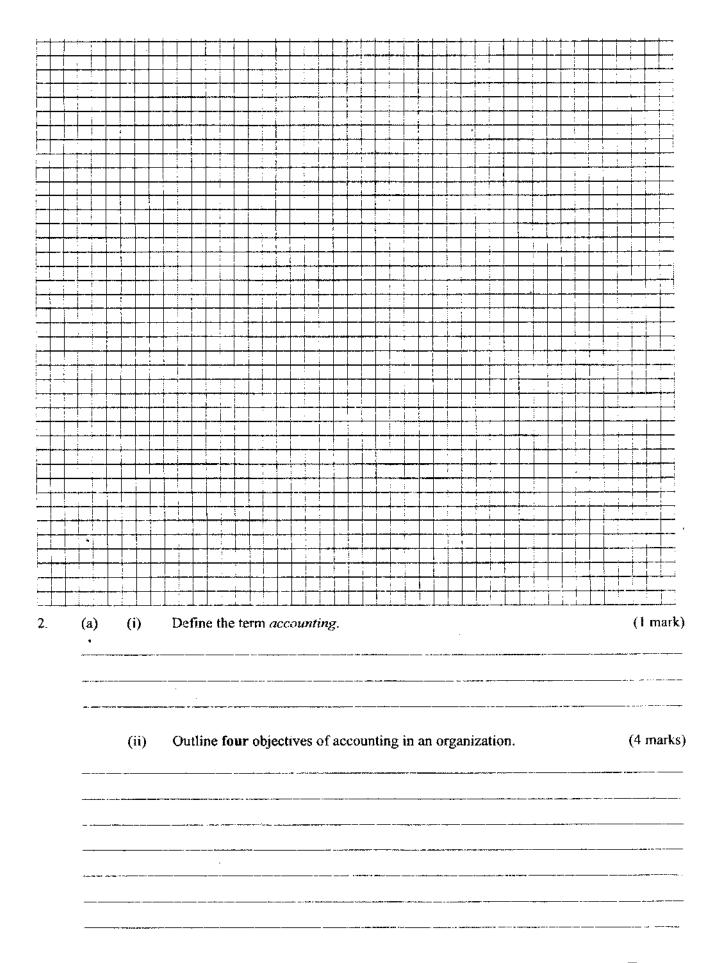
Outline four components of an Expert System.	(4 marks
(ii) Explode.	(2 marks)
Define the term Geographical information System.	(1 mark)
Figure 1 shows an object drawn in an isometric view. On the grid	provided, sketch the front
	Paul an architectural engineer intends to draw a floor plan of a horeach of the following CAD command:  (i) mirror;  (ii) Explode.  Define the term Geographical information System.  Figure 1 shows an object drawn in an isometric view. On the grid end and the plan elevation in the first angle orthographic projectic



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(b)	(i)	With the aid of a diagram describe spatial data layer as used in GIS.	(4 marks)
	<del></del> -		
	<u>.</u>		
	(ii)	Outline two parameters that determine the position of a geographic objespace.	ct in a spatial (2 marks)
			•
<del></del>			
-			
(c)	van Ksh bon con	naini Youth Group started their business on 1 <sup>st</sup> May 2014. On the same day for Ksh. 450,000, bought a business stall for Ksh. 200,000 and purchased in 1,500,000. They did not pay in full for the stock and still owe Ksh. 104,0 rowed Ksh. 150,000 from BKB bank on the same day. After all these trans in pany was left with Ksh. 40,000 cash in hand and Ksh. 11,000 cash at bank ount of capital for the group as at 1 <sup>st</sup> May 2014.	a stock worm  00. They had  action, the

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(a)	The management of Malimoto Manufacturing firm has decided to introduce an Expert System in its production plant. Explain three benefits that the firm would gain from this approach.  (6 m.
***************************************	
(b)	Outline the function of each of the following commands as used in CAD program. (4 ma
(b)	

(c)	Figur	Figure 2 shows a geometry drawn using CAD program. Explain the role of <i>Offset command</i> in its construction. (2 marks)						
	III IIS	construction.	( Marks)					
	Figur	e 2	-					
(d)		the aid of an example, distinguish between fixed assets and current assets aunting.	(3 marks)					
(a)	(i)	Explain the term bookkeeping as used in accounting.	(2 marks)					
- And Andrew County	(ii)	Describe the importance of computing the net income of a business.	(2 marks)					

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(i) Sales	Invoic	æ	271
	·· ···································		(2)
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	M differ representations and distributions.		·**·*·································
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(ii) A peti	ty cash	voucher.	(2 n
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Table 1 is an month of Janu	extract uary 20	of transactions that took place at Malimato Electronics Co	ompany f
Table 1 is an month of Janu  Date	nary 20	13.	ompany f
monun of Jani	nary 20	Transactions	ompany f
Date	nary 20 : :013	Transactions Deposited Ksh. 7,200,000 into a bank account. Bought premises for Ksh. 3,840,000, paying by cheque	ompany f
Date 1 January 2	e 2013 2013	Transactions Deposited Ksh. 7,200,000 into a bank account.	ompany f
Date 1 January 2 3 January 2 6 January 2 10 January	2013 2013 2013 2013	Transactions Deposited Ksh. 7,200,000 into a bank account. Bought premises for Ksh. 3,840,000, paying by cheque Bought goods for Ksh. 720,000 from D Katoo on credit Sold goods worth Ksh. 272,000 to B Meta on credit	ompany f
Date 1 January 2 3 January 2 6 January 2 10 January 13 January	2013 2013 2013 2013 2013 2013	Transactions  Deposited Ksh. 7,200,000 into a bank account.  Bought premises for Ksh. 3,840,000, paying by cheque  Bought goods for Ksh. 720,000 from D Katoo on credit  Sold goods worth Ksh. 272,000 to B Meta on credit  Sold goods worth Ksh. 48,000 by cash	ompany f
Date 1 January 2 3 January 2 6 January 2 10 January 13 January 15 January	2013 2013 2013 2013 2013 2013	Transactions Deposited Ksh. 7,200,000 into a bank account. Bought premises for Ksh. 3,840,000, paying by cheque Bought goods for Ksh. 720,000 from D Katoo on credit Sold goods worth Ksh. 272,000 to B Meta on credit Sold goods worth Ksh. 48,000 by cash Paid Ksh. 360,000 to D Katoo by cheque	отрапу б
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(b)	Explain each of the following views of a three dimensional models  (i) parallel;	(2 ma
(a)	Outline the steps that would be followed when setting up an expert system.	(3 ma
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(c)		e four differences between <i>artificial intelligenc</i> ipabilities.	(8 marks)
	<del>_</del>		
	······································		
			_
(a)		a circumstance where each of the following doc	cuments may be used by business
	(i)	credit note;	(1 mark)
<del></del>			
			(1
	(ii)	debit note.	(1 mark

(b)	Explain each of the following terms as used in artificial intelligent:						
<u></u>	(i).	fuzzy logic;	(2 marks)				
	(ii)	neural networks.	(2 marks)				
(c)	Assu	me that you are a geospatial engineer. Explain ho	ow you would use GIS in the following				
	(i)	forest management;	(2 marks)				
			•				
	(ii)	mining.	(2 marks)				

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(d) Figure 3 shows a dimensioned geometry. State the variation that can be done on the section of the dimension labelled (i) (ii), (iii), (iv) and (v) in a CAD program. (5 marks)

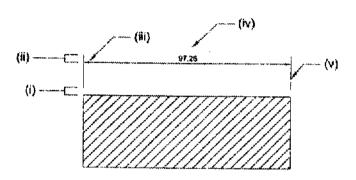


Figure 3

