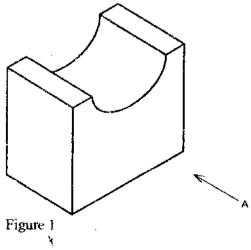
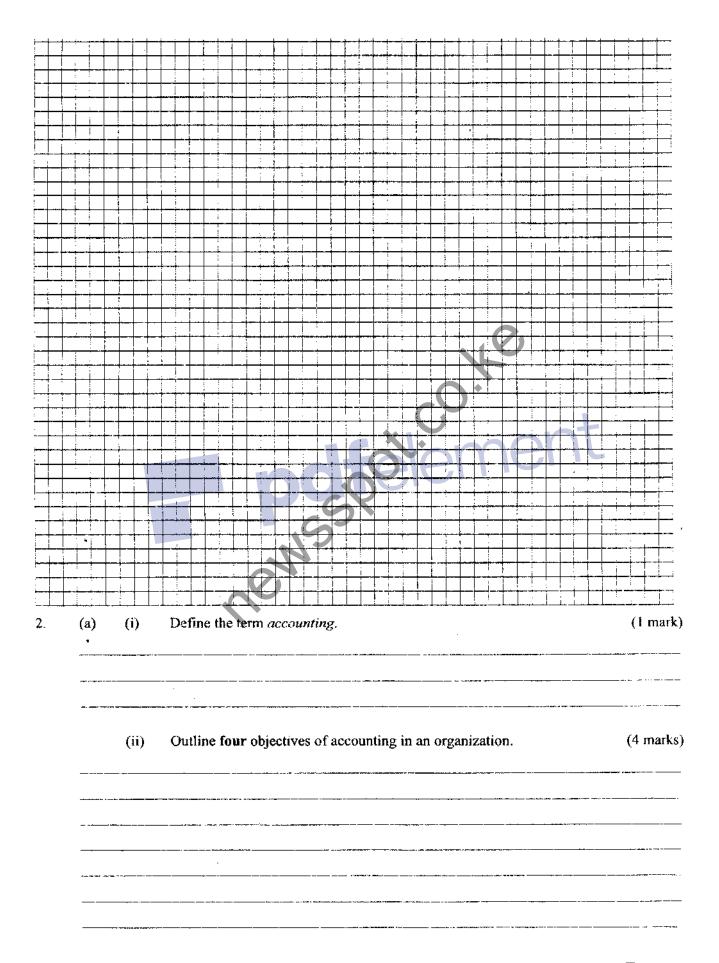


(a)	Outline four components of an Expert System.	(4 marks
(b)	Paul an architectural engineer intends to draw a floor plan of a hou	sa Stata haw ha was II
(-)	each of the following CAD command:	se. State now he would us
	(i) mirror;	(2 marks)
	(ii) Explode.	(2 marks)
~~~		nt
(c)	Define the term Geographical information System.	(1 mark)
		†
(d)	Figure 1 shows an object drawn in an isometric view. On the grid p end and the plan elevation in the first angle orthographic projection to be the view indicated by arrow labelled A.	tovided, sketch the front



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

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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 ma
	a asayanent
(b)	Outline the function of each of the following commands as used in CAD program. (4 ma
	(i)

(c)	Figure 2 shows a geometry drawn using CAD program. Explain the role of Offset comman in its construction. (2 mark			
	Figure	e 2	****	
(d)		the aid of an example, distinguish between fixed assets and current assets inting.	as used in (3 marks)	
		a poséiement		
(a)	(i)	Explain the term bookkeeping as used in accounting.	(2 marks)	
	(ii)	Describe the importance of computing the net income of a business.	(2 marks)	

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4.

11	each of the following accounting documents.  (i) Sales Invoice;			
	) Sales Invoic		(2 mar	
	· · · · · · · · · · · · · · · · · · ·			
·····				
(ii	) A petty cash	voucher	***	
	,		(2 mar	
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···				
			· · · · · · · · · · · · · · · · · · ·	
		a Haren Tell		
Та	ble 1 is an extract	of transactions that took place at Malimato Electronics Co		
mo	onth of January 20	113.	ompany tor t	
Г	Date			
F	Date	Transactions Deposited Value 7 200 000 interest banks		
	l January 2013	Deposited Ksh. 7,200,000 into a bank account.		
		Deposited Ksh. 7,200,000 into a bank account.  Bought premises for Ksh. 3,840,000, paying by cheque		
	l January 2013	Deposited Ksh. 7,200,000 into a bank account.		
	1 January 2013 3 January 2013 6 January 2013 10 January 2013	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		
	1 January 2013 3 January 2013 6 January 2013 10 January 2013 13 January 2013	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 Katoe on credit  Sold goods worth Ksh. 272,000 to B Meta on credit  Sold goods worth Ksh. 48,000 by cash		
4	1 January 2013 3 January 2013 6 January 2013 10 January 2013 13 January 2013 15 January 2013	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		
4	1 January 2013 3 January 2013 6 January 2013 10 January 2013 13 January 2013	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 Katoe on credit  Sold goods worth Ksh. 272,000 to B Meta on credit  Sold goods worth Ksh. 48,000 by cash		
	1 January 2013 3 January 2013 6 January 2013 10 January 2013 13 January 2013 15 January 2013	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  Received Ksh. 240,000 by cheque from B Meta by		
Tal	1 January 2013 3 January 2013 6 January 2013 10 January 2013 13 January 2013 15 January 2013 31 January 2013	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  Received Ksh. 240,000 by cheque from B Meta by	(7 mark	
Tal	1 January 2013 3 January 2013 6 January 2013 10 January 2013 13 January 2013 15 January 2013 31 January 2013	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 Katoe 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  Received Ksh. 240,000 by cheque from B Meta by cheque	(7 mark	
Tal	1 January 2013 3 January 2013 6 January 2013 10 January 2013 13 January 2013 15 January 2013 31 January 2013	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 Katoe 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  Received Ksh. 240,000 by cheque from B Meta by cheque	(7 mark	
Tal	1 January 2013 3 January 2013 6 January 2013 10 January 2013 13 January 2013 15 January 2013 31 January 2013	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 Katoe 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  Received Ksh. 240,000 by cheque from B Meta by cheque	(7 mark	



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(a)	Outline the steps that would be followed when setting up an expert system.	(3 m
(a)		(3 m
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(a)	I 10 C Selle I I I I I I I I I I I I I I I I I I	
(a)		
(a)	Explain each of the following views of a three dimensional models	
	Explain each of the following views of a three dimensional models  (i) parallel;	
	Explain each of the following views of a three dimensional models  (i) parallel;	(2 m

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	(8 marks
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	1.·-
- A Salement	
- <del>1000</del>	
(a) State a circumstance where each of the following documents may be used by	y business
(i) credit note;	(1 mar
	·
(ii) debit note.	(1 mar
(ii) debit note.	(1 ma



(b)	Explain each of the following terms as used in artificial intelligent:				
	(i).	fuzzy logic;	(2 marks		
	(ii)	neural networks.	(2 marks)		
(c)	Assur areas	me that you are a geospatial engineer. Explain how you would use GIS			
	(i)	forest management;	(2 marks)		
		p colemnia			
·					
	(ii)	mining.	(2 marks)		
	<del>.</del>				

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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)

