(a)	Outline four components of an Expert System.	(4 marks)
(b)	Paul an architectural engineer intends to draw a floor plan of a houseach of the following CAD command:	sc. State how he would use
	(i) mirror;	(2 marks)
	(ii) Explode.	(2 marks)
(c)	Define the term Geographical information System.	(1 mark)
(d)	Figure 1 shows an object drawn in an isometric view. On the grid preend and the plan elevation in the first angle orthographic projection to be the view indicated by arrow labelled A.	rovided, sketch the front, Take the front elevation (6 marks)

Figure 1

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2.	(a)	(i)	Define the term ac	ecounting.		(1 mark)
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Turn over

	(1)	With the aid of a diagram describe spanal data layer as used in Old.
	(ii)	Outline two parameters that determine the position of a geographic object in a spatial space. (2 marks)
(c)	van i Ksh.	aini Youth Group started their business on 1 <sup>st</sup> 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 owed 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

(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 n
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(b)	Outline the function of each of the following commands as used in CAD program. (4 m
	(i)

(6)	in its construction.	(2 marks)
	Figure 2	
(d)	With the aid of an example, distinguish between fixed assets and current assets accounting.	as used in (3 marks)
	Edunotes.co.ke	BA B
(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

425	6.1	ng accounting documents.	
(i)-	Sales Invoic	se;	(2 n
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(ii)	A petty cash	voucher.	/2
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Tabl	e I is an extract	of transactions that took place at Malimato Electronics C	ompany fo
Tabl	in or January 20		ompany fo
inon	Date	Transactions	ompany fo
1.	Date January 2013	Transactions Deposited Ksh. 7,200,000 into a bank account.	ompany fo
1.	Date	Transactions Deposited Ksh. 7,200,000 into a bank account. Bought premises for Ksh. 3,840,000, paying by	ompany fo
1 3 3	Date January 2013 January 2013	Transactions Deposited Ksh. 7,200,000 into a bank account. Bought premises for Ksh. 3,840,000, paying by cheque	ompany fo
1 3 3	Date January 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	ompany fo
1 3 3	Date January 2013 January 2013 January 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	ompany fo
1 . 3 . 6 . 10	Date January 2013 January 2013 January 2013 January 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 fo
1 . 3 . 6 . 10 13	Date January 2013 January 2013 January 2013 January 2013 January 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
1 . 3 . 6 J . 10 13 15	Date January 2013 January 2013 January 2013 January 2013 January 2013 January 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	ompany fo
1 . 3 . 6 J . 10 13 15	Date January 2013 January 2013 January 2013 January 2013 January 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  Received Ksh. 240,000 by cheque from B Meta by	ompany f
1 3 6 10 13 15 31	Date January 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	ompany f
1 3 3 10 10 13 15 31 Table	Date January 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  Received Ksh. 240,000 by cheque from B Meta by cheque	ompany f
1 3 3 10 10 13 15 31 Table	Date January 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  Received Ksh. 240,000 by cheque from B Meta by	
1 3 3 10 10 13 15 31 Table	Date January 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  Received Ksh. 240,000 by cheque from B Meta by cheque	
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(b)	Explain each of the following views of a three dimensional models  (i) parallel;	(2 ma
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(a)	Outline the steps that would be followed when setting up an expert system	. (3 ma

(c)	their c	e four differences between <i>artificial intelligence</i> an apabilities.	(8 marks)
_			
		Edunotes.co	o.ke
(a)	State	a circumstance where each of the following docume	ents may be used by business
	(i)	credit note;	(1 mark
	(ii)	debit note.	(1 marl

(b)	Expl	ain each of the following terms as used in artificial intelligent:	
	(i).	fuzzy logic;	(2 marks)
	(ii)	neural networks.	(2 marks)
(c)	Assu areas	me that you are a geospatial engineer. Explain how you would use GIS forest management;	in the following (2 marks)
		Edunotes.co.ke	
	(ii)	mining.	(2 marks)

(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)

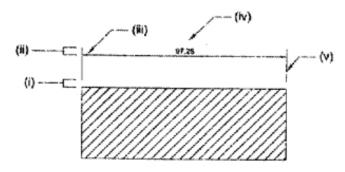


Figure 3

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