(a)	State the function of each of the following controls in a Visual Basic program.					
	(i)	pointer;	(I mark)			
	(ii)	frame;	(1 mark)			
	(iii)	ole;	(1 mark)			
	(iv)	combobox.	(1 mark)			
 (b) 	With as use	the aid of an example, distinguish between the Naed in a Visual Basic program.	me property and the Caption property (4 marks)			
(c)	Expla	in the following statements used to tran errors at a	un time in a Vicual Basic program			
(c)	Expla	in the following statements used to trap errors at r On Error Goto;				
(c)			un time in a Visual Basic program. (2 marks) (2 marks)			

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(d) Table 1 shows a list of colors that should be displayed on a form when a user enters a specified capital letter corresponding to the color. Use it to answer the question that follows.

LETTER	BACKGROUND COLOUR
R	RED
G	GREEN
В	BLUE
Y	YELLOW
ANY OTHER LETTER	NOT VALID COLOUR

Table 1

	statement and attach the code to a command button.	(6 marks
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		<u></u>
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		······································
		·
	State the function of each of the following category of statements as used in a V program.	isual Basic
	(i) assignment;	(2 marks

	(ii) executable;	easytvet.co
	(iii) declaration.	(2 marks)
b)	With the aid of an example in each case, distinguish b Visual Basic programs.	etween string and <i>Boolean</i> data type in (4 marks)
	Write a Visual Basic program that prompts a user to er an input box. The program should then arrange then dicontrol array. Use a <i>for next</i> statement.	nter three values into an array through isplay the values using a textbox (6 marks)
)	Write a Visual Basic program that would generate the form. Use a for next statement. 1 12 12 13 123	following numbers as an output on a (4 marks)
	1234	

			
			
(a)	Outli	ne two advantages of a Visual Basic Programming language.	(2 marks)
(b) 	(i)	Describe the term data bound control form as used in Visual Basic.	(2 marks)
			
	(ii)	Outline four types of database applications that would be linked to a proin Visual Basic programming language.	ogram written (2 marks)
	(iii)	Explain two roles of a Visual Data manager in a Visual Basic Programn	ning language. (4 marks)
(c)	Distin	nguish between a simple combo box and a drop down list combo box.	(4 marks)

	Mary has developed a payroll system for Ufunzi organization. Explain three benefit testing the system before delivering it to the owners.	its of (6 marks
(a)	The following is a data control button. Use it to answer the questions that follow. (i) (iv) (page 1	
	State the function of the parts labelled (i), (ii), (iii) and (iv)	(4 marks)
(b)	Anita would like to use <i>procedures</i> to develop an application in Visual Basic. Outling benefits she would achieve from this.	ne four (4 marks
	benefits she would achieve from this.	

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(d)	shou label " <i>The</i> Whe	e a Visual Basic program that would accept a number through a tell then compute the square and the square root of the number and with the following description: * square of "number" is "square" and its square root is "square refer the number, square and square root are values derived from the	display the output in a coot". The code. Attach the
	code	to a command button.	(6 marks
			
(a)	(i)	State the purpose of each of the following properties of a timer of programming language.	control in Visual Basi
		I interval;	(1 mark
		II enabled.	(1 mark
<u></u>	(ii)	Explain giving a reason why it is important to set <i>AutoSize</i> prope to true when designing programs in Visual Basic.	erty of a picture box (2 marks)
(b)	Distir progr	nguish between <i>module level variable</i> and <i>local variable</i> as used in	a Visual Basic (4 marks
			

(c)	Expla	in three steps to be followed when building a report in a Visual Basic progra	m. (6 marks)
	· · · · · · · · · · · · · · · · · · ·		
(d)	other	a Visual Basic program that would accept five characters into an array one a using an <i>inputbox()</i> . The program should then display the characters in the repicture box. Attach the code to a command button. Use for next statement	after the everse order (6 marks)
	<u> </u>		
(a)	Expro	ess the following mathematical expression into its Visual Basic equivalent. e ^{3x}	(2 marks)
		$\overline{\cos(2x) + \sin(x)}$	
(b)	(i)	With the aid of an example, describe a heterogeneous data structure.	(3 marks)
			·

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	(ii)	Distinguish between a binary search and a linear search technique as used structures.	d in data (4 marks)	
			<u></u>	
(c)	Ident	ify two errors in the following Visual Basic program giving a reason in each	case.	
(c)	Private Sub cmddisplay_Click() Dim x, g, n, i, sum As Integer x = 0 y = 1 Print x Print y For i = 3 To n sum = x + y Print sum x = y y = sum y = sum End Sub			
(d)	(i)	Describe the function of menu authentication on ADO properties window Visual Basic programming language.	as used in (2 marks)	
	(ii)	Describe two objects of a data environment in Visual Basic program.	(4 marks)	

	When Anne attempted to install Visual Basic 6.0 in her computer she got an error and the process aborted. Explain two possible reasons for this occurrence.	(4 marks
		<u> </u>
(b)	Describe three examples of <i>if conditional</i> control structures in Visual Basic giving in each case.	g the syntax (6 marks)
·····		
		 <u> </u>
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(0)		tools labelled (i) and (ii). (4 marks)							
		and the contract of the		/ (i)	/ (ii)		148 24 25 2 2 2		1
			_€ M			ree l	F Go	· Ba	
	Figu	re 1	1 2	<u>-= ц</u>			66 G	\ ₂ -€1	
(d)	displa (i) (ii)	ay the followin Number of First three c	ng on a <i>pic</i> characters haracters	cture box: of the text; of the text;	;	-		x. The pro	gram should then
	(iii) Attac	Extract thre th the code to		-	from seco	nd chara	acter.		(6 marks)
					····				
						I STEEL COMPANY OF STATE OF ST	·		
	~								
						ne allar salah oru enter termin termin			
					·				
(a)			n of each o	of the follo	wing tools	s Visual	Basic pr	ogrammii	ng language tools.
	(i)	menu bar;							(2 marks)
	(ii)	tool box;							(2 marks)
	(iii)	context men	14,			·			(2 marks)
								-	

(b)	Distinguish between dynaset and snapshot as used in Visual Basic	easytyet cor
(c)	Explain the function of each of the following types of procedures in	n Visual Basic. (4 marks)
	(i) function procedure;	
	(ii) event procedure;	
(d)	Write a Visual Basic program that would display numbers between divisible by three .The program should then compute average of the average in a picture box. Use a do while loop and attach the code to	numbers and display the