Uganda Certificate of Education
Computer studies
$2\frac{1}{4}$ hours

840/2
Computer Studies
Paper 2

INSTRUCTIONS TO CANDIDATES

The paper comprises of two sections **A** and **B**.

Section **A** is **compulsory** and carries 40 marks for Word-processing and Spreadsheets

Section **B** consists of three equally weighted questions of which a candidate will attempt only two questions carrying a total of **60 marks**

Each Candidate **must** have a blank Compact disc rewritable (CD- RW)

Candidates should continually save their work

Each candidate must produce a hard copy for each number attempted to accompany the Compact

Disc- RW

(1a) Eagles fly alone at a high altitude and not with sparrows or mix with other smaller birds. Birds of a feather flock together. No other bird goes to the height of the eagle.

Eagles have strong vision, which focuses up to 5 kilometers from the air.

When an eagle sites prey- even a rodent from this distance, he narrows his focus on it and sets out to get it. No matter the obstacle, the eagle will not move his focus from the prey until he grabs it. Have a vision and remain focused no matter what the obstacle and you will succeed.

The Eagle tests before it trusts. When a female eagle meets a male and they want to mate, she flies down to earth with the male pursing her and she picks a twig. She flies back into the air with the male pursuing her. Once she has reached a height high enough for her, she lets the twig fall to the ground and watches it as it falls. The male chases after the twig. The faster it falls, the faster he chases until he reaches it and has to catch it before it falls to the ground, then bring it back to the female eagle. This goes on for hours, until the female eagle is assured that the male eagle has mastered the art of picking the twig which shows commitment, then and only then, will she allow him to mate with her! Whether in private life or in business, one should test commitment of people intended for partnership.

i.	Use Word processor software of your choice to type set the text	(3 marks)
ii.	Set the page margin at 1.5" left and right and 2" top and bottom.	(2 marks)
iii.	Apply line spacing of 1.5	(2 marks)
iv.	Cut and paste the last paragraph to be paragraph one	(2 marks)
v.	Insert a foot note on "Female eagle" on 2nd line of the cut and pasted paragraph to read as follows: There are many types of eagles but all types will test before trusting!	(2 marks)
vi.	Insert an appropriate title, in upper case with colour of your choice	(3 marks)
vii.	Justify the cut and pasted paragraph	(2 marks)
viii.	Make a two line drop cap on the first letter of the third paragraph and apply red colour on it.	(2 marks)
ix.	Save as eagles and print.	(2 marks)

(1b) Rainfall distribution data was collected over a period of six months from Mukono, Wakiso, Mubende and Rwengo districts.

Use a spread sheet program of your choice to tabulate the data. Districts should be entered in column A

(3marks)

In Jan, Mukono received 450 mm, Wakiso-600 mm, Mubende-631 mm and Rwengo-632 mm.

In Feb, Mukono received 610mm, Wakiso-652mm, Mubende-737 mm and Rwengo-632mm.

In March, Mukono received 650 mm, Wakiso- 700 mm, Mubende-735 mm, and Rwengo-650mm.

In April, Mukono received 800mm, Wakiso- 751 mm, Mubende-801mm and Rwengo-660mm.

In May, Mukono received800mm, Wakiso-792mm, Mubende-802 mm and Rwengo-770mm.

In June, Mukono received 550 mm, Wakiso-465mm, Mubende-450mm and Rwengo-510mm.

Using formula, computer the following:

i.   The total rainfall in the half year per district.   *(2 marks)*

ii. The average rainfall for each month   *(2 marks)*

iii. The least amount of rainfall for each district   *(2 marks)*

iv. The highest amount of rainfall in of each district   *(2 marks)*

v.   Use an appropriate function to count months that received 650 mm of rain fall and above. *(2 marks)*

vi. Use a function to select and indicate Coffee and Matooke for districts that received 4500 mms of rainfall and more. Pineapples for districts that received less that 4500mms.   *(2 marks)*

vii. Plot the rainfall received in Rwengo district on a pie chart, indicate the title and percentages. *(3 marks)*

viii. Save and Print   *(2marks)*

(2)   The data below belongs to UBOS employees who are due for promotion. Use any Database application of your choice to create a database for UBOS for easy management of company data. Name it UBOS

(2 marks)

EMPLOYEE TABLE

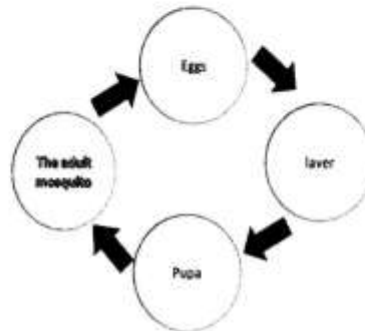| Employee ID	Name	Date of Birth	level of Education	Basic Salary	Tel contact
UBOS/001	Nalwa	12/2/1983	Certificate	250000	0772452136
	Sebbo	1/7/1997	Degree	400000	0752369874
	Amoti	6/1/1990	Deploma	300000	0712236597
	Kizimula	12/6/1988	Certificate	250000	0782741001
	Kisubika	11/25/1983	Degree	400000	0785236972
	Ttenda	4/30/1993	Degree	400000	0752147896

i.   Create table with appropriate data types save it as promotion   *(4 marks)*

ii.   The employee ID field should increment by 001   *(2 marks)*

iii.   Choose an appropriate field for primary key   *(2 marks)*

iv.   Use a lookup wizard data type on level of education field.   *(2 marks)*

v.   Design a form to populate the data save it as promotion form   *(4 marks)*

vi.   Create a query to filter out employees with a degree level of education and were born in 90s. Save it as promotion.   *(3 marks)*

vii.   Create a query of employees who are on MTN network save it as query two   *(3 marks)*

viii.   Create a new query and calculate the new salary for each employee which is 20% of basic salary.

(3 marks)

ix.   Make a report from the promotion query. Save it as promotion Report.   *(3 marks)*

x.   Sort the names in the table ascending order.   *(1 marks)*

xi.   Print your objects.   *(1 mark)*

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(3) The school healthy club is carrying out a malaria eradication sensitization programme in your community.
As a club secretary, generate a five electronic presentation that will be used for this purpose.

Slide one:	should contain the heading "MALARIA ERADICAATION PROGRAMME".	
	And the names of the presenter.	*(2 marks)*
Slide Two:	brief description of malaria disease.	*(2 marks)*
	Appropriate clip art of malaria vector.	
Slide Three:	should include the life cycle of a mosquito flow chart below.	
	Apply different colour for each shape and its content, Group the shapes	*(5 marks)*

Slide four   insert the table below to show how each stage can be prevented. *(5 marks)*

Stage	Prevention
The adult mosquitoes	Sleep in mosquito treated nets
Eggs	Clear Bushes, broken containers, cover water tanks
Larva	Power used oils in septic and other tanks
Pupa	Power used oils in septic and other tanks

Slide Five   should include a conclusion to malaria eradication   *(2 marks)*

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Instructions:

i.	Use relevant clip art.	*(2 marks)*
ii.	Use appropriate designs and background colors.	*(2marks)*
iii.	Presentation should run automatically after 2 minutes	*(3 marks)*
iv.	Add speaker's notes in slide five to read" malaria is the world killer number one!	

Prevent death by sleeping in a mosquito treated net."   *(2marks)*

v.	Add footer of your personal number and name and insert current date.	
		(3marks)
vi.	Save as malaria and print hand outs	*(2 marks)*

(4) The school computer club wishes to create a web site to tell the world who they are and what they do.

Use a web site designing software of your choice to create a three web page site for the club.

Home page: - A page title and copy it to the rest of the pages.   **(10 marks)**

- insert a colour 6px line between the title and the background data

- A brief back ground for the club

- Contact address, and log for the club

- Include a marquee of the club's slogan "Information and Communication Technology for

the World today" – behavior alternate left and right.

Page two: a four column table to show at least five club members- name, class, responsibility and

hobby   *(3 marks)*

Page three: design an active form where interested members can fill: *(8 marks)*

- A text box for the applicant's name

- An optional box for gender- Female or male

- A list box where applicant can choose year of birth.

- And a text area where the applicant can fill at least one hobby

i.	Insert active links on all pages	*(3 marks)*
ii.	Use less graphics and background colour	*(2 marks)*
iii.	Save website as computer club	*(2 marks)*
iv.	Print pages	*(2 marks)*