840/2
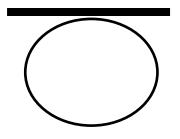
COMPUTER STUDIES

PRACTICAL

Paper 2

July 2017

$2^1/_4$ hours

UGANDA NATIONAL EXAMINATIONS BOARD

Uganda Certificate of Education

COMPUTER STUDIES PRACTICAL

Paper 2

2 hours 15 minutes

INSTRUCTIONS TO CANDIDATES:

*The paper consists of **two** sections, **A** and **B***

*Section **A** contains **one** compulsory question that takes 40 marks.*

*Section **B** contains **three** questions. Answer any **two** questions from this section.*

*Any additional question(s) answered will **not** be marked*

*Each candidate is provided with a **new flash disk"** or a **blank compact -disc rewritable**.*

Candidates should continuously save their work

*Each candidate **must** produce a **hard copy** for each of their work to accompany the diskette or compact disc.*

Software wizards must not be used.

Create a folder on the desktop with all your names and save your work there

SECTION A (40 MARKS)

This section is compulsory

1. **(a)** Type the text below as it is exactly and follow the steps as will be indicated in the text below : (04 marks)

It's the answer spoken by the young and old, rich and poor, Democrat and Republican, black, white, Latino, Asian, Native American, gay, straight, disabled and not disabled-Americans who sent a message to the world that we have never been a collection of Red States and Blue States: we are, and always will be, the United States of America.

It's the answer that led those who have been told for so long by so many to be cynical, and fearful, and doubtful of what we can achieve to put their hands on arc of history and bend it once more toward the hope of a better day. It's been a long time coming, but tonight, because of what we did on this day, in this election, at this defining moment, change has come to America.

Required
(a) Insert a header of your document to be `**Barack Obama Victory Speech**` in the centre and the footer to be `**Change has come to America**`. This should be at the right hand corner. (02 marks)
(b) Insert a footnote `**Change for the better**` (02 marks)
(c) provide a line spacing of 1.5 and 14 font size for the whole text and document) and Drop the first letter to cover 2 lines (02 marks)
(d) Insert the table below as it is after the two paragraphs (03 marks)

Materials used on the Speech	Estimated Amount
Suite	650000£
Microphone	500000£
Letters distributed	350000£
Total	

(e) Using appropriate word feature calculate for **totals** and **bold** them. (03 marks)
(f) Convert the second paragraph with a two column and line between. (01 mark)
(g) Shade the titles of the table with a yellow color. (01 mark)
(h) Save your work as **Speech** and make a printout. (02 marks)

(b) This information was extracted from **Kyabaleta high school.** Study it carefully to answer the questions that follow.

ITEM	COST PRICE (Ugx)	PROFITS	SCHOOL TAX	EXPENSES	SELLIMG PRICE
Sumbiz					7,000/=
Meat pie					25,000/=
Splash					60,000/=
Daso					35,000/=
Pens					40,000/=
Chapuz					16,000/=
Cassava					12,000/=
Boxerz					15,500/=
Cakes					35,000/=

Other information:

Selling price = Cost Price + School Tax + Expenses + Profits.

Expenses are =**40%** of the selling price, Profits are **30%** of the selling price.

School tax is **10%** of the selling price.

Tasks: As someone who appreciates spreadsheets principle and functions;

(i) Enter the above information in a spreadsheet application of your choice. Save it as with your **Real Name**. (03 marks)
(ii) Determine the amount of tax the school gets from the canteen, profits and expenses for each item. (02 marks)
(iii) Determine the **average** and **total amount** of tax the school collects from the canteen. (02 marks)
(iv) Change the name of sheet 1 to **Canteen Sales**. (01 mark)
(v) Determine the **cost price** for all items. (02 marks)
(vi) At the beginning of next year the canteen operators have asked the school management that he is going to increase the selling prices by 20%. Insert a new column to work out the new prices for all canteen items next year. (02 marks)
(vii) Format all figures with **UGX** currency symbol with one decimal place. (02 marks)
(viii) On a separate sheet, plot a line chart to represent the items, cost price, and selling price. (03 marks)
(ix) On sheet three show all the formulas used and Apply a centered footer of your name and registration number in your worksheet (02 marks)
(x) Copy and paste your work on sheet two, and rename it 'Canteen'. (01 mark)

SECTION B

Attempt any two questions

2. Computer viruses are some of the biggest nightmares all over the world; As a computer student you have volunteered to educate the computer users on how to go about this threat which is over taking the world. Create **six slides** which you are going to use during the presentation:

Formatting Guidelines

- The relevant message needed to convey the required information.
- Your name, index number and slide number as a footer at the right of the slide.
- The **first slide** should contain **links through action buttons** to each other slide.

Note: Each slide must contain a link to the fist slide, through an action button.

- It should run automatically without the click of the mouse.
- Apply **Glass layer** to first slide only while others with a **mountain top**.
- Use minimal graphical effects to make the presentation entertaining. A relevant clip art placed on the right of each slide   (07 marks)
    (i)   **Slide I** should include the title and definition of viruses and your name

    (03 marks)

    (ii)   **Slide II** should include signs and symptoms of viruses   (03 marks)

    (iii) **Slide III** should include damages made by viruses in the computer and its accessories   (03 marks)

    (iv)   **Slide IV** should include the ways through which viruses enter our computers   (03 marks)

    (v)   **Slide V** precautions of preventing viruses from entering the computer.

    (03 marks)

    (vi)   **Slide VI** Cure of viruses when they have already entered the computer, give 'examples of cures you are familiar with.   (03 marks)

    (vii) Save the presentation as **Computer_virus2017**   (01 mark)

    (viii) Print your slides as hand out notes on one page.   (02 marks)

3. The tables below give information about a small home in Kampala. Study the tables carefully and answer their related questions.

Table 1: Activity Table.

Client ID	Qty Bought	Activity ID	Activity Date	Price	Prod ID	Total Amount
C2245	500	T1120	20-01-13	200	P3200	
C2241	325	T1121	21-01-13	400	P3201	
C2244	425	T1122	22-01-13	450	P3202	
C2243	150	T1123	23-01-13	120	P3203	
C2242	85	T1124	24-01-13	250	P3204	
C2240	450	T1125	25-01-13	800	P3205	

Table 2: Client Table.

Client ID	Client Name	Gender	Client Phone	Client Location
C2240	Lutokomoi	Male	+254 400000	Nakapiripirit
C2241	Byaruhanga	Male	+254 100000	Gulu
C2242	Barigye	Female	+254 200000	Mubunde
C2243	Musungu	Female	+254 500000	Arua
C2244	Oitangol	Male	+254 300000	Luwero
C2245	Bamulanzeki	Female	+254 700000	Nakasongola

You are required to:

(i)   Create a database called '**clients**' and use it for the following activities.

(02 marks)

(ii)   Create the **activity table** with appropriate primary key and data types.

(05 marks)

(iii)   Create the **clients table** with appropriate design. Use the lookup wizard for the **gender** field.   (05 marks)

(iv)   Create a **one-to-one** relationship between the clients table and activity table.   (02 marks)

(v)   Create a query for those clients whose locations begin with 'N'. The query should have the following fields: client name, client phone, client location and Qty bought. Name it **'Nata query'**.   (03 marks)

(vi)   Create another query to pick out all those activities that took place after 22nd January 2013. Save it as **"Late Comers".**   (03 marks)

(vii)   Create a calculated query to return the total amount value in the activity table. Save it as *"Activity Calc Query".*   (03 marks)

(viii)   Generate a form from activity table and compute for total amount which is **Qty bought*Price**.   Save it as Activity Form   (03 marks)

(ix)   Include a header as **Calculated form** and a footer of your names. (01)

(x)   Create a report of the *calc* query, and save it as *"Activity Report".*

    (03 marks)

4. Imagine you have been approached to design a website for the company. Create a website consisting of:

a)   An **index page** with links to all departments with a company logo.

    (05 marks)

    i. A page on the:

    ii. **Production department** detailing the varieties of flowers produced.

    (04 marks)

    iii. **Marketing department** detailing different managers and their roles.

    (04 marks)

    iv. **Marketing** detailing where the products are sold.   (04 marks)

b)   A **photo gallery** showing pictures of different products and functions of the company. (use only three pictures)   (04 marks)

(Note : The pictures do not have to be real ones but must be closely related)

c)   **In the website**:

    i. Include a feedback provision (a **form**) where a visitor to the page can send an e-mail.   (on the 4th page)   (04 marks)

    ii. Have uniform background color   (02 marks)

    iii. Write your name and index number at the end of the last page as footer.

    (01 mark)

    iv.   Save the file as **Rose farm**.   (02 marks)