

840/2  
COMPUTER STUDIES  
PRACTICAL  
Paper 2  
July/August 2017  
2¼hours



**WAKISSHA JOINT MOCK EXAMINATIONS**

**Uganda Certificate of Education**  
**COMPUTER STUDIES PRACTICAL**  
**Paper 2**

**2hours 15 minutes**

**INSTRUCTIONS TO CANDIDATES:**

- *This paper consists of two sections A and B.*
- *Section A contains one compulsory question.*
- *Section B contains three questions. Answer any two questions from this section.*

*Each candidate is provided with a blank compact disk (rewritable). NOT FLASH DISK.*

- *Each candidate must produce hard copy for each of his/her work to accompany the compact disk.*
- *Software wizards must not be used.*

## SECTION A (40marks)

This section is compulsory

- a) Mr. Kamwanda is the head of ICT in Muduuma college school. He is organizing a computer studies students' seminar at his school. He intends to send letters through computer studies teachers requesting Head teachers to release their students to attend this seminar in September 20XY.

Below is a copy of the letter to be sent to schools. And below is a table showing the details of different schools.

# MUDUUMA COLLEGE SCHOOL

P.O. BOX 1234567, KIDOMOOLE

16-Aust-20XY

TO: <Head teacher's Name>

The Head teacher

<School's Name>

<School Address>

THRU: <Computer studies Teacher's Name>

Computer Department

<School's Name>

Dear <TITLE>

RE: COMPUTER SEMINAR SCHEDULED TO TAKE PLACE ON 15 SEPT 20XY

The school through its computer studies department has organized a seminar at the school on the day indicated above. The seminar will be for students.

The seminar is aimed at enabling our students understand current global concerns in relation to computer studies and at the same time equipping them with skills and knowledge for enabling them sit for the fourth coming National Examinations in November this year.

The participation fee per student from your school is <charges> only. In addition the students must come with their own refreshments or they may individually order for food from our school canteen at <Lunch>.

We shall be very grateful for your usual positive response.

Yours faithfully,

Kamwada

HEAD COMPUTER DEPARTMENT.

**The Table below shows Details required from different schools**

Head Teacher's name	Title	School	School Address	Computer studies Teacher's Name.	Charges	Lunch
Mr. Kidende Kapa	Sir	Mavundu SS	P. O. Box 10, Mavundu.	Ms.Mukulu Julie	3,000	5,000
Ms. Kasiru Jovial	Madam	Twakoowa SS	P. O. Box 1010, Twakoowa	Mr. Mwana David	3,500	5,000
Mrs. Kapa Zebra	Madam	Nabbutto College	P. O. Box 123, Kawere.	Mr. Obina Tom	4,000	5,000
Dr. Kasaala Pin	Sir	Serious SS	P. O. Box 9090, Lwamugolodde	Mrs. Nina Booked.	4,500	5,000

**Required:**

- i). Type the letter and save it as **Computer studies seminar**. (02 marks)
- ii). Indent the body of the letter left and right by 0.5". (02 marks)
- iii). Apply single spacing on each paragraph. (02 marks)
- iv). Put a spacing of 3pt before and after each paragraph. (02 marks)
- v). Apply heading 1 style to the subject for the letter with font size of 15.5 and dashed underline. (02 marks)
- vi). Insert a printed watermark of both of your names and save the changes. (02 marks)
- vii). Create the table above and save it as **ICT-Schools**. (03 marks)
- viii). Use the suitable word processing feature to merge the table to the letter in order to generate individual letters to various schools. (03 marks)
- ix). Save the resulting file in your folder as **School-ICT-Letters**. And produce a print out. (02 marks)

- b) Prepare the following spreadsheet exactly as it is seen below. Put in consideration the following: (05 marks)

- ✓ Gross pay = Hours Worked by the Hourly wage,
  - ✓ Taxes = 35% of the Gross pay.
  - ✓ Net pay column using a formula that subtracts the Taxes from Gross pay.
- i). Calculate totals for the last three columns. (03 marks)
  - ii). Format the Hours column to 1 decimal place and all other numbers to Accounting Number Format (money). (02 marks)
  - iii). Sort the data by the employee's name, A to Z. (01 mark)
  - iv). Format the table with a border, shading and a graphic of your choice. (02 marks)
  - v). Create a well labeled pie chart of net pay for all the employees. (03 marks)
  - vi). Add your name in a footer, and the date and time in a header. (02 marks)
  - vii). Rename the worksheet my wok. (01 mark)
  - viii). Save your work as payroll and produce a print out. (01 mark)

**Turn Over**

MARKHOODxxx UG LIMITED					
Name	Hours	Hourly Wage	Gross	Taxes	Net
Agut	40.5	15.75			
Vidal	39.5	35.5			
Isaac	27.75	29.85			
Kipolopolo	38	32			
Hakim	29	31			
Magufuli	15	18.54			
Kipayopayo	14.75	15.75			
		Totals:			

### SECTION B: (60 MARKS)

Answer any two questions from this section.

2. The table below was extracted from the database of Watisa Ltd, a firm that deals in importation and distribution of electrical appliances.

ID NO	First name	Last name	Gender	Date of birth	Residence	Basic pay	Tax
R01	Jabber	Debo	Male	01/05/1990	Matugga	880,000	
	Desire	Kisubi	Female	05/02/1995	Nansana	660,000	
	Ann	Vava	Female	17/09/1994	Wakiso	670,000	
	Faruok	Sekanjako	Male	20/06/1997	Gayaza	750,000	
	Alex	Njako	Male	13/04/2000	Kasangati	940,000	
	Thereza	Bamulanze	Female	12/04/2002	Kawanda	780,000	
	Tania	Mujjuzi	Female	20/12/1999	Gombe	790,000	
	Rona	Maseruka	Male	15/10/1996	Kyengera	820,000	
	Joyce	Opio	Female	16/07/1997	Namugongo	890,000	
	Ronald	Twino	Male	03/07/1997	Buddo	450,000	
	Theo	Ariho	Female	08/07/2001	Wakiso	560,000	
	Rashid	Dembe	Male	07/11/1985	Maya	888,000	

You are required to:

- Create a database file called Watisa Ltd. (02 marks)
- Create a table structure for the table above assigning it with appropriate data-types and primary key. Use auto number for ID NO as its data type and name it Wati table. (03 marks)
- Create a form called data and use it to calculate the tax column for all employees given that tax is calculated at 18% of basic salary.  
Insert your name in the footer section. (03 marks)
- Create a query that can return all those employees whose last names begin with letter "M". Name it M-Query and produce a print out. (03 marks)
- Generate a database object that can be used to return details of all those employees whose age is above 16 years. Name it above 16. (03 marks)
- Create a report for only female employees with an appropriate title and a footer of your name. (03 marks)
- Let your gross pay figures be displayed with a "SHS" currency symbol. (03 marks)

3. You are on the Sports Committee of your school; you have been tasked to prepare a presentation about the **importance of sports** in the school.

a) Create a five slide presentation as follows: (08 marks)

**Title I:** Should have a suitable title for the presentation, your name and role on the Sports Committee. Insert appropriate graphics in form of clip art.

**Slide II:** Show how students **benefit** from participating in sports.

**Slide III:** A bulleted list of five sports **activities** you know.

**Slide IV:** Previous Inter-House Competition Results in form of a Column chart displaying the number of points that each of the three houses (Africa, America and Asia) in the school got, in three major sports mentioned above.

**Slide V:** Should have a conclusion for your presentation.

Your conclusion can include a form of advice on how school heads can handle sports in their schools.

b) Set the following Master Slide-Styles: (04 marks)

**Titles:** Dark red, centered, bold, shadow.

**Text styles:** Dark blue, Arial.

c) Apply a suitable slide background, animations and transitions. (04 marks)

d) Include your name and index number in the header section of the handouts, print preview. (02 marks)

e) Print a handout of all slides scaled to one page. (01 mark)

f) Save your work as "Sports" (01 mark)

4. As a webmaster, you are required to design a website for KEZEEKIA POULTRY FARM with the following page:

a) **Index page:-**

(i) Should have the title: **KEZEEKIA POULTRY FARM ONLINE**. (05 marks)

(ii) A good navigation structure with hyperlinks to all the other pages on the website.

(iii) A brief welcome message and information about the farm of **not less than 20** words.

(iv) A hit counter.

b) **Products page:-** (04 marks)

(i) Should have the title: **PRODUCTS OF KEZEEKIA POULTRY FARM**

(ii) A table showing products such as Eggs, 1-day old chicks, layers, Broilers, Turkeys, Ducks, Chicken Feed, etc., with their corresponding prices.

**Turn Over**

- (iii) A few related photos (from the clip art section or otherwise) with their corresponding captions. (03 marks)

c) **Contact page:-**

- (i) Should have the title: **CONTACTS OF KEZEEKIA POULTRY FARM**

- (ii) Physical Address: Plot 14, Ssezibwa Avenue, Mukono.  
Postal Address: P.O. Box 100017, Mukono  
Telephone: +256414988988, (Office) +256774988988 (Mobile)

- (iii) Email (with active mailto hyperlink): [info@kezeekia.com](mailto:info@kezeekia.com)  
Website: [www.kezeekia.com](http://www.kezeekia.com).

d) **Also required:**

- (i) A top shared boarder with a logo and the motto:  
"The source of superior poultry products" (03 marks)
- (ii) Apply a suitable uniform theme thought the website. (02 marks)
- (iii) Add your index Number and Name as footer of each of the webpages and print each of the three pages. (02 marks)
- (iv) Save your Web Directory as **KPM**. (01 marks)

**END**

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- *Section A contains one compulsory question.*
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*Each candidate is provided with a new formatted 3.5 diskette of high density or a blank compact disk (rewritable).*
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## SECTION B (Compulsory)

1. (a) Assume you are the director AMACO INSURANCE COMPANY LIMITED you want to update your customers on the current dues as per the insurance cover each client has. Use mail merge to write an official letter to five customers informing them of this. Each letter must meet the following conditions;
- (i) Must have a letter head with the company's name, address, telephone numbers, current date and time, in the header. (03 marks)
  - (ii) Must have a footer at the bottom indicating the company slogan "Rest Assured" in italic, Font Arial narrow 17, and center aligned. (03 marks)
  - (iii) The recipient address lines will include;  
 <<Title >> <<First name >> <<Last Name >>  
 <<Address >>  
 <<Country >> (03 marks)
  - (iv) Must have one main body paragraph in format "Dear <<First name >> This letter serves to update you about the current dues as per our insurance cover. The current amount due for your vehicle <<Car No- Plate >> is <<Amount due >> Thank you for insuring with is. (04 marks)
  - (v) Must have a conclusion "yours in service, <<your name >> DIRECTOR" (01 mark)
- Further required.**
- (vi) Create a data source file with all the required fields. Add any five imaginary names of customers plus their details. Print it out and save as receipts – list doc. (03 marks)
  - (vii) Generate the merged document that contains the five letters and save it as final doc. Print out the 4<sup>th</sup> letter. (03 marks)
- (b) The following table shows the number of litres of milk produced on Nyanja farm in the first five months of each year over a period of four years:  
 Enter this data into a work sheet named **Dairy 1** and save your workbook as **holly milk**. (04 marks)

	A	B	C	D	E
1	<b>NYANJA PROJECT MILK FARM</b>				
2	<b>Year</b>	<b>1997</b>	<b>1998</b>	<b>1999</b>	<b>2000</b>
3	Price per liter	50	80	120	200
4	<b>Month</b>	<b>Litres of milk produced</b>			
5	January	502	440	661	552
6	February	1022	856	1015	1170
7	March	4316	3986	3884	4287
8	April	7627	6846	7946	7570
9	May	9728	9103	9726	10046

- (i) Use an appropriate function in row 10 to calculate the total number of litres produced each year. (03 marks)

- (ii) Use appropriate formulae in row 11, 12 and 13 to calculate the **average**, **maximum** and **minimum** monthly yields respectively for each year. (03 marks)
- (iii) Create a 3D clustered column chart for the year 2000 for all months. (02 marks)
- (iv) Use a logical function to state the number of times the farm yielded more than 3000 litres in 1999; place your answer in cell D15. (02 marks)
- (v) Format all the figures for gross earnings to currency format with a **UGX** Symbol. (02 marks)
- (vi) Copy all the work on sheet 1 (**Dairy 1**) and paste it on **sheet 4** of your workbook. Rename this sheet **Diary 2**. (03 marks)

### SECTION B

Answer any **two** questions

2. Using a suitable application software design a **five** slide presentation and effect the following tasks.

Required;

- (a) (i) **Slide one** should have your name and index number. (02 marks)
- (ii) **Slide two** should have a bulleted list of the games played at your school. (02 marks)
- (iii) **Slide three** should have a numbered list at the subjects offered at your school. (02 marks)
- (iv) **Slide four** should have a pictorial clips showing different sporting activities. (03 marks)
- (v) **Slide five** should have a chart summarizing the following data. (08 marks)

Game	Scores obtained
Valley hall	3450
Basket ball	435
Table Tennis	2309
Foot ball	124
Hockey	2346

- (b) (i) Apply suitable design templates. (02 marks)
- (ii) Use clips and word art where applicable. (02 marks)
- (iii) Make an automated transition loop to run every after 5 seconds. (02 marks)
- (iv) A footer bearing your name and index number. (02 marks)
- (v) Apply a hyper link of your last slide to slide one. (02 marks)
- (vi) Save your work as "my name". (01 mark)
- (vii) Provide a print out as handouts. (02 marks)

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3. Database

The table below was extracted from Kato video library data base showing members who had taken movies.

ID No.	Name	Type	Charge fee	Cleared	Phone no.
M001	Kiberu	Nigeria	3000	<input checked="" type="checkbox"/>	0773000111
M002	Prossy	Horror	2000	<input checked="" type="checkbox"/>	0704161621
M003	Kaija	Action	7000		0754216107
M004	Mather	Action	1500		0700777777
M005	Ochegere	Nigeria	4500	<input checked="" type="checkbox"/>	0774162020
M006	Drabo	Action	2500	<input checked="" type="checkbox"/>	0712820216
M007	Babirye	Horror	4000		0751441650
M008	Druguye	Nigeria	1500	<input checked="" type="checkbox"/>	0756550314
M009	Olga	Horror	1000	<input checked="" type="checkbox"/>	0784941650
M010	Opio	Action	3000		0773880001

- Create a database called "Kato Video library" (06 marks)
- Create a table called members to store the data above. (04 marks)
- Create a query and use it to filter out all those members who have cleared. (03 marks)
- Generate a query showing all those whose name start with letter "O" and have been cleared for the movies borrowed. (04 marks)
- Create a report showing all the members with a title membership report with your name as a footer. (04 marks)
- Create a query called "charge over 2K" that will filter the members who have taken movies for charge greater than 2000 Shs, and have not yet cleared.
- Generate a report to display all members whose names end with letters "ye" and save it as "selected report". (06 marks)
- Print the reports in (e) and (g) (03 marks)

4. Using a web design software of your choice, design a website for your ICT club which includes the following.

- Home/title page Administration/ organization structure, membership page and club project page. (16 marks)
- A moving marque for all page subject titles. (04 marks)
- Link to email [ictclub@gmail.com](mailto:ictclub@gmail.com) and another one of a website for the club. (02 marks)
- Minimal relevant graphics. (04 marks)
- The pages should be linked. (02 marks)
- Save your work as ICT club website. (02 marks)

END

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## WAKISSHA JOINT MOCK EXAMINATIONS

Uganda Certificate of Education

COMPUTER STUDIES

Paper 2

2 hours 15 minutes

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  - Section A contains one compulsory question.
  - Section B contains three questions. Answer any two questions from this section.
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## SECTION A (40 MARKS)

*This section is compulsory.*

1. a) You are the principle secretary to the Roko construction limited. You are required to send out acknowledgement letters to people who have so far made construction towards the development of the company. The letter contents are the same for all the persons except the address, names and nature of constructions.

Below is the letter to be sent and a table of people who have made constructions.

Roko construction limited,  
P.O. Box 22234,  
Kampala.  
24<sup>th</sup> April 2013

[ADDRESS]

Dear [NAME]

Thank you for your contribution of [NATURE OF CONTRIBUTION] towards the development of the company.

This project is in its Inaugural year but it has been a resounding achievement. The staff agrees that it should become an annual event. The director would like to thank you and hopes for more support in future.

Thank you very much.

\_\_\_\_\_  
Director  
Henry Mark Kalusa.

	Name	Address	Nature of contribution
1	Ahibizibwe Louis	P.O Box 14 Kamuli	430 US\$
2	Okello Joseph	P.O. Box 162 Soroti	500,000shs
3	Ssebidde John	P.O. Box 160 Buloba	60 bags of cement
4	Kyagulanyi Hassan	P.O Box 1413 Kampala	50 kg of nails

- i) Typeset the above letter and save it with an appropriate name. (04marks)
- ii) Tabulate the above data source and save it a "source" (04marks)
- iii) Use an appropriate word processing program feature to produce the letter to be sent to each person in the table. (08 marks)
- iv) Save your work with your name and index number. (01 mark)
- v) Have a print out of your original letter. (02 marks)

- b) Bugo investments limited is a company dealing in general hardware products. The table below shows the sales they made at the end of last month.

	A	B	C
	ITEM	QUANTITY	UNIT COST
1	Rings	8,400	200
2	Twisted bars	2,000	350
3	Round bars	5,000	1,000
4	Ordinary cement	4,000	18,000
5	Supa cement	250	20,000
6	Lime	200	12,000
7	Red oxide	800	8,500

- Enter the above data into an electronic spread sheet starting from A1 and C8. (05 marks)
- Create another column in your worksheet at D1 with the heading "TOTAL COST" and by use of formular find the total for each item. (03 marks)
- Copy and paste the table into sheet 2. (02 marks)
- Rename sheet "ORIGINAL" and sheet 2 "COPIED". (02 marks)
- On the original sheet insert an empty column between QUANTITY and UNIT COST and name it "VAT". Fill this column with VAT which is 18% of the unit cost. (03 marks)
- Arrange the Items on the copied sheets in descending order according to "TOTAL COST". (02 marks)
- Save your work as your name and index number. (01 mark)
- Print your work. (02 marks)

## SECTION B

*Answer any two questions.*

2. There is an initiative to fight corruption in Uganda. You have been approached to help design a website for an organization which fights corruption.

Using available software, design a website for the organization.

- Make the website impressive
  - Be creative
  - Use appropriate graphics
  - The website should be able to load faster
  - Each page should have a link to the author's name. (06 marks)
- The home page should have a short story on the definition of corruption and the ways corruption is practiced. Include three links on your home page.
  - The linked pages in (a) should have the following information.
    - Page II should include the list of causes of corruption. (06 marks)
    - Page III should include the effects of corruption on the society. (06 marks)
    - Page IV should include the list of the solutions to corruption. (06 marks)
  - Save your work as "corruption" and print your work. (02 marks)
3. Design a presentation for a local Non Government Organization (NGO) "AIDS SENSITISATION AND AWARENESS" that deals in youth moral development in the various districts in the country.
- Your presentation should include:-

**Turn Over**  
3

- Slide I- The introduction  
 Slide II- Objectives of the project  
 Slide III- The importance and beneficiaries of the project

(06 marks)

(06 marks)

(06 marks)

- b) Each slide should have;-  
 Font size-36 for the title.  
 Font style-Arial for the title and content  
 Font colour- Blue for the title and black for the content.  
 An appropriate clip art at the top right corner of the slide. (04 marks)
- c) Your name and index number should be shown as the header and current date as the footer on each slide. (02 marks)
- d) Create an automatic looping slide show. (02 marks)
- e) Save your presentation as "sensitization" (02 marks)
- f) Print your work in handout of four slides per page. (02 marks)

4. The table below shows books in the library.

**Table 1: BOOKS IN THE LIBRARY.**

Code number	Title	Name of Author	Paper back (P) or hard back (H)	Borrower's number	Date due back
2043	The Greaty Gatsby	F-scott	P	15234	01 <sup>st</sup> / June/ 08
5284	Jane Austen-A life	C.Tomalin	H	11356	02 <sup>nd</sup> / June/08
4033	Hary porter and the philosopher's stone	J.K Rowling	H	16582	26 <sup>th</sup> / May/08
0549	Northern lights	P-Pollman	P	12982	28 <sup>th</sup> / May 08

**Table 2: BORROWERS.**

Borrower number	Borrower's Name	Borrower's Address	Borrower's phone number
11356	Tobias Ahendra	658, Uhuru highway P.O Box 2089	0772 344567
16582	Carlo Moyes	12, Avenue De Lupin P.O.Box 65432	0712 417398

(03 marks)

Computers are now widely used in libraries. Using a Data base management system program, create a database file called Library and use it for the following;

- a) Create a table of books and enter the data, name it Book's Table. (08 marks)
- b) Create another table of borrowers and enter the data, name it Borrower's Table. (03 marks)
- c) Sort the records in part (a) in descending order of code numbers. (02 marks)
- d) Using fields code number, title, name of Author, paper, create a query showing borrowers number that is above 12506 using table in (a). (04 marks)
- e) Create a query showing only books with hard back and the names of the authors should be in ascending order. (03 marks)
- f) Create a relationship between books and borrowers tables (03 marks)
- g) Create a report using both tables and name the report as "borrowers" have your name and index number as your header. (03 marks)

**END**

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## SECTION A (40 MARKS)

*This section is compulsory.*

1. a) i) Using any word processing application program, insert the table below. (8marks)

NAME	MARKS	
Moses	67	54
Hemedy	76	89
Marion	45	53
Teopista	83	57
Mercy	34	76
Samuel	54	77

- ii) Apply a border on every cell. (2marks)
- iii) Insert another row to represent the title as "FOOD AND NUTRITION TEST II" (2marks)
- iv) Merge the cells and center the title (2marks)
- v) Insert a row between mercy and Samuel for Jane. (3marks)
- vi) Align all the records in the center. (2marks)
- vii) Save your work as 'my table'. (1marks)
- viii) Print a copy of your work (2marks)
- b) A company deals in six (6) stationary items namely; note books, counter books, printing papers, box files, diaries and clip files. The table below represents the opening stock (O), closing stock(C), quantity sold (Q), selling price (S) and value of sales (v) respectively; where  $Q = O - C$  and  $V = S \times Q$ .

A	B	C	D	E	F
Item	Opening stock(O)	Closing stock(C)	Quantity sold(Q)	Selling price(S)	Value of sale(V)
Note books	350	250		1500	
Counter books	490	400		3000	
Printing papers.	200	150		10000	
Box files	200	100		5000	
Diaries	500	300		2000	
Clip files	400	200		1000	
Total value of sales.					

- i) Create a spread sheet of the data above, starting with the item title in cell A<sub>1</sub> and save the work book as “sales” and the worksheet as “stationary 1”  
(8marks)
- ii) Put the appropriate formula in cell D<sub>2</sub> to compute the amount sold. Copy it to the rest of the column.  
(3marks)
- iii) Put the appropriate formula in cell F<sub>2</sub> to compute V.  
(2marks)
- iv) Sum column F to find the total value of sales.  
(2marks)
- v) Use the graph function to draw a bar graph of sales for the various items. Include your name and index number in the footer.  
(4marks)
- vi) Save the graph in new sheet as “My Graph”  
(1marks)

### SECTION B (60 MARKS)

Attempt any **two** questions from this section.

2. Create a table with the information below and name it “payroll”. Use appropriate data types.  
(8marks)

ID	NAME	SEX	POST	DATE OF BIRTH	AMOUNT
C001	Iga Moses	M	Technician	03-may-1999	50,000
C002	Alupt Lilian	F	Programmer	12-june-2004	25,000
C003	Muwanga Kasim	M	Engineer	30-april-2010	20,000
C004	Aine Gloria	F	Finance	22-may-1990	60,000
C005	Were Jacob	M	Technician	12-june-1998.	32,000
C006	Kyeyune Hatimah	F	Programmer	18-march-1989.	90,000
C007	Bogere Paul	M	Finance	04-july-1992	45,000
C008	Damba Mary	M	Engineer	15-may-1993	35,000
C009	Namutebi Jane	F	Technician	27-june-1999	20,000

- i) You are required to design a database to manage the above information. Name the database as “Employee Database”  
(6marks)
- ii) Create a form called “Employee entry form and enter the above records.”  
(6marks)
- iii) Create a query to show all female employees who are programmers and name it “programmers”  
(6marks)
- iv) Create a query to show the employees who earn a salary above 40,000/=
- v) Create a report showing all the records.  
(4marks)

3. Create a suitable 6 - slide show presentation for the invention of computers in your school and the impacts with the following items.
- Appropriate animation schemes to view the presentation.
  - Appropriate transition for the show.
  - Clips and word art where applicable.
  - Appropriate design templates and background colour.
  - Footer bearing your name and index number.
  - Title for the presentation.
- i) Title for the presentation. (2marks)
- ii) Invention of information technology in your school. (6marks)
- iii) Merits and demerits of computers in your school. (8marks)
- iv) Problems faced since the invention of computers in your school. (6marks)
- v) Solutions to problems. (6marks)
- vi) save your work as "invention of computer" (2marks)
4. Using a web design software of your choice, design a website for a tours and travel company in which includes the following;
- a) Page title (05marks)
- b) Not less than 100 words. (08marks)
- c) 1 link to e-mail: hbtours@hotmail.com and another one of a website for the tours and travel company (www.hbtours.com). (05marks)
- d) Less graphics. (05marks)
- e) The pages should be well linked. (02marks)
- f) Save your as "Tours and Travel website"

END

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Computer Studies

Practical

Paper 2

2 Hours 30 minutes.

## WAKISSHA JOINT MOCK EXAMINATIONS

Uganda Certificate of Education

### COMPUTER STUDIES

#### PAPER 2

2 Hours 30 Minutes

#### INSTRUCTIONS:

- *This paper consists of two sections A and B.*
- *Section A contains one compulsory question.*
- *Section B contains three questions attempt any two from this section.*
- *Each candidate is provided with a new formatted 3.5 diskette of high density or a blank compact disk writable.*
- *Each candidate must produce a hard copy for each of their work to accompany the diskette or compact disk.*
- *Software help wizards must not be used.*

## SECTION A: (40 MARKS)

*This section is compulsory*

1. a) (i) Type the text below using a suitable application software and apply the instructions that follow. (06Marks)

### 'AFRICA NEEDS TECHNOLOGY DEVELOPMENT FUND'

Africa will not develop unless the political leaders give priority to the development of Science and Technology, the Chairman of the Ghana Council of Scientific and Industrial Research has said. During a recent scientific conference at the UN Economic Hall for Africa in Addis Ababa, Ethiopia, Professor Edward Ayensu said: "It is important that African leaders establish a Technology Development Fund for Research and Development Institutions"

In attendance were ministers and other government officials from Uganda, Guinea, Rwanda, Algeria and Tanzania. "We can design all types of research projects but if there are no funds to execute them, they end up on paper," he said, adding that the fund could also be used to give seed capital to young scientists to start new projects.

Professor Lydia Brito of the University of Eduardo Mondlane said the Science and technology applied must be people-centered and based on the needs of particular countries. "We need social energy to solve local and global problems. We need to improve conditions of living and actions towards socio-cultural and economic growth," Brito said.

*(Adapted from: The New Vision, Tuesday, April 22, 2009)*

- ii) Make the heading bold, centered, double underlined, font Tahoma and font size 14. (02 marks)
- iii) Center align the third paragraph and make font style Regular. (02 marks)
- iv) Drop Cap the first letter of the second paragraph to three lines. (02 marks)
- v) Make the necessary spell check to your text. (02 marks)
- vi) Insert your name as a header on the right top corner and index number as a footer on the left bottom corner (03 Marks)
- vii) Save your work as 'My comprehension' and make a **print out**. (03Marks)

- b) Below is data which can be used to generate statistical objects. Use the data to generate column graph.

No.	Month (x-axis)	Rainfall in millimeters (y-axis)
1	January	73
2	February	95
3	March	90
4	April	45
5	May	85
6	June	20
7	July	56
8	August	78
9	September	35
10	October	50
11	November	10
12	December	80

- i) Enter the above information in a suitable software which can generate a graph (03 marks)
- ii) "The title of your graph should be: "Rainfall values for the year 1990" (02 marks)
- iii) Give your graph appropriate X-values and Y-values. (01 mark)
- iv) Your chart area should be shaded with any colour of your choice. (01 mark)
- v) Plot area should be shaded with any colour of your choice. (01 mark)
- vi) Data series should be shaded with red colour (02 marks)
- vii) Change the style of the grid lines to dotted style (03 marks)
- viii) Format X-axis and Y-axis values (i.e. change the font size to 10, the colour to Blue (02 marks)
- ix) Legend font size 10.5 (02 marks)
- x) Save your workbook as "**Rainfall values**" and worksheet as "**Rainfall**" (03 marks)

## SECTION B (60 MARKS)

Attempt **any two** questions from this section.

- a) As a student of computer studies you are required to create a database for managing customer payments in Djnet Enterprise Limited. The information below is necessary in the development of the database. The name of the database should be Djnet Enterprise Customer Database.

**CUSTOMERS TABLE**

Customer ID	Customer Name	Phone contact	Address
C001	Jumba Okello	0774-292800	Mulago
C002	Frival Muwonge	0754-373888	Rubaga
C003	Atino Agnes	0412-737830	Kawanda
C004	Erlas Musoke	0712-374944	Kagoma
C005	Nakiganda H.	0713-871100	Bwaise
C006	Were Stephen	0392-364711	Nateete
C007	Aine Cissy	0782-647822	Kabale
C008	Birigwa M.	0392-475819	Muyenga
C009	Musoke Charles	0752-910000	Ntinda
C010	Tom Gayi	0774-521030	Namasuba

**SALES TABLE**

Customer ID	Commodity	Quantity	Amount paid
C001	Books	50	25000
C002	G. Set	35	52500
C003	Ruler	70	21000
C004	Art pencil	63	12500
C005	Bic pens	46	13800
C006	Art books	32	10500
C007	Graph books	67	13400
C008	Floppy disks	87	60900
C009	Dup. papers	5	45000
C010	Ruled papers	7	59500

- a) Create the above tables. (10 marks)
- b) Generate forms for data entry and enter the above data. (08 marks)
- c) Create a query to show the names and addresses of the customers and the commodities and amount paid. (06 marks)
- d) Create a report for the **query**. (06marks)

3. The Ministry has appointed you as a District Health Superintendent of any given district. You have been given a task to gather with the health team of carrying out workshops about "Awareness and Prevention of HIV/Aids Scourge in the District". Using any presentation software, design a presentation of 10 slides, with the following:
- A title slide with the topic of a workshop. (02 marks)
  - Prepare a presentation for the agent as described below:- (02 marks)
    - Two** title slides about the topic (03 marks)
    - Three** slides about modes of Aids prevention (06 marks)
    - Three** slides about modes (ways) of Aids prevention (06 marks)
    - Three** slides about the myths (false) stories about aids transmission (03marks)
  - Your presentation should be very impressive and having same background. (03 marks)
    - Slide headings should be size 44 and Body size 34. (03 marks)
    - Put navigation tools on each slide to the home, next slide, previous slide and end slide. (03 marks)
    - Save your Presentation as "**AIDS Prevention 2009**". (02 marks)
4. Using any available web publishing software, design a school's home page. Make sure the home page is very impressive but not too slow to download.
- You are expected to include the following:
- A page title (02 marks)
  - Appropriate graphics (08 marks)
  - A 100 – 120 word text (10 marks)
  - 1 link (for the school's e-mail address) (01 marks)
  - Table – showing at least four services offered the school (02 marks)
  - Layout (02 marks)
  - Creative designing (04 marks)
  - Save you work as School web. (01 mark)

END