840/2
COMPUTER
STUDIES
PRACTICAL
PAPER 2
August 2019
2¹/₂ hours

UNNASE MOCK EXAMINATIONS

Uganda Certificate of Education

COMPUTER STUDIES

PRACTICAL

Paper 2

2 ½ hours

INSTRUCTIONS TO CANDIDATES

- ❖ *This paper consists of two sections, **A** and **B.***
- ❖ *Answer **all** questions **in**Section A.*
- ❖ *Attempt **onlytwo** questions in section B. all questions carry equal marks. Additional questions will not be marked.*
- ❖ *Each candidate will be provided with a new CD-R or CD-RW for storage of the work.*
- ❖ *Create a folder on the desktop having your full name and Index number. Save all your attempted questions in the above folder which you will later transfer to your Compact Disc.*
- ❖ *Each candidate must produce a hard copy of all their work to accompany the CD.*
- ❖ *Software help wizards must not be used.*

SECTION A (40 MARKS)

*This section contains one compulsory question with part **A** and **B***

1A. The Head teacher of **Maingenge Senior Sec. School** has consulted you to prepare merged admission letters to inform Senior Five 2020 of the vacancies and combination offered to them. You will then prepare your letter based on the following layout:

Maingenge S. S. School,

P. O. Box 2222222

Maingenge.

Dear **<Student>**,

Re: **Admission Letter.**

The School Administration of **Maingenge S.S. S** is glad to inform you that the vacancy you applied for has been offered to you. Congratulation!

Given the options you submitted regarding the priority of your combination of interest, also the school administration in consultation with academic office, based on your O' level performance, has resolved that the combination and its associated subjectsyou should take is **<Combination>** having the **<Sub1>**, **<Sub2>**, **<Sub3>**, and General Studies.

Now that the **<Combination>** is in **<Category>** category, your school fees structure will be as follows:

Item	Amount
School Fee per Term	**<Fee>**
Science Lab Fee	**<Sc>**
Total Fee	**<Sum>**

The reporting date is 4th February 2020, and should you fail to appear your vacancy will be availed to other applicants in the waiting list. The school fees must be fully paid before reporting!

Yours faithfully:

Matata. Ayo. Matata.

The Head teacher.

Data Source Table.

Student	Comb	Sub1	Sub2	Sub3	Categ	Fee	Sc	Sum
Nambi. B	MEG	Maths	Economics	Geography	Physical	800000	Nil	800000
Nana. R	PCM	Physics	Chemistry	Maths	Physical	850000	30000	890000
Damba. Y	LEG	Literature	Economics	Geography	Arts	750000	Nil	750000
Kanko. N	PCB	Physics	Chemistry	Biology	Biological	900000	40000	940000
Dayo. M	PCG	Physics	Chemistry	Agriculture	Biological	910000	50000	960000

Required:

(a) Create a folder and call it **YourNameMerge**to be used to hold all the files.
(02 marks)

(b) Type the above letter as it is and save it within the folder you have just created as **Original Letter.** *(03 marks)*

(c) Copy and paste the same letter in the new document and save it within the created folder as **Work File.** *(03 marks)*

(d) Create the above **Data Source Table** file using any application format ready for merging its records with individual letters. Ensure your table is saved within the created folder using the name of your choice. *(05 marks)*

(e) Ensure that the merged field content appear red in color and bolded throughout all individual letters. *(02 marks)*

(f) Use the available features and merge the letter in the file named Work File to create individual letters for each admitted student. Ensure this new file is saved within the created folder as **Merged Letters.** *(05 marks)*

1B. Hassan Musa started using spreadsheet to record all the total monthly sales in all his five branches in the first quarter of the year 2019. The records were taken as outline below.

Branch A, January 200000, February 700000, March 400000, April 600000
Branch B, January 650000, February 900000, March 630000, April 650000
Branch C, January 550000, February 100000, March 430000, April 150000
Branch D, January 90000, February 760000, March 690000, April 350000
Branch E, January 450000, February 800000, March 630000, April 250000

Required:

(a) Use the spreadsheet program of your choice and, while in **column A**, **row 3**, tabulate the above information aligning the month details vertically and Branch details horizontally. *(04 marks)*

(b) Insert the title: **Quarterly Sales Report**, centered in a merged group of **B1:F1** range of cells. *(02 marks)*

(c) Extend other column headers as **Total**, **Average**, and **Comment.** *(02 marks)*

(d) Use appropriate functions to calculate **Total** and **Average** sales. *(02 marks)*

(e) Format all the figures using monetary unit of your choice. *(02 marks)*

(f) Use an appropriate formula to display to display the comment **High Sales**, if the Average sales is above 500000 and **Low Sales** if the Average sales is 500000 and below. *(02 marks)*

(g) Create a pie chart based on **Branch E**, which must appear professionally in its own sheet. Ensure the chart title, legend, labels and values. *(03 marks)*

(h) Rename your worksheet as **Quarterly Sales** and your chart sheet as**BranchE Chart.** *(02 marks)*

(i) Save your workbook file as Your Name - Sales. *(01 mark)*

SECTION B (60 MARKS)
*This section contains **three (3)**questions. Attempt only two (2)*

2. Your school has decided to keep records of all food items to be kept in the store. You are then tasked to design a database called **Dining Records** and within your database you create the table called **Food Store** as below:

StockNo	Item	Category	ManDate	Quantity	Price
ST01	Maize Flour	Grain	22/3/2017	20	50000
ST02	Salt	Spice	12/4/2014	4	2000
ST03	Rice	Grain	14/4/2015	60	140000
ST04	Blue band	Oil	23/1/2018	7	3000
ST05	Beans	Grain	13/8/2011	24	40000
ST06	Royco	Spice	17/4/2009	13	4000
ST07	Kimbo	Oil	18/1/2018	11	6000
ST08	Ginger	Spice	16/8/2016	4	7000
ST09	Tea	Spice	14/7/2011	3	6000
ST10	Cinnamon	Spice	12/2/2010	8	8000

Required:

   a) Now thatyour Headteacher has given you a job to create the database and its table as indicated above. In the table design, ensure the following set field properties:

     i.   Select the appropriate field and make it the primary key *(01 mark)*

     ii.   Allocate appropriate data types in all fields of your table

                                            (03 marks)

     iii.   Set the fields**StockNo**, **Item**, **Category** to field size of **4**, **15** and **10** respectively.   *(03 marks)*

     iv.   Set the **Price** field to be displayed using **UGX** monetary units.

                                            (01 mark)

   b) Create a professional form based on your table in design view and your form should have the following

     i.   A header, using the name of your school with 18 font size.

                                          (02 marks)

     ii.   A closing button set at the right upper side of your form.

                                          (01 marks)

     iii.   A calculated **Total Price** field by taking (**Quantity * Price**)

                                          (02 marks)

     iv.   Include a background color of your choice.   *(01 marks)*

     v.   Save your form and name it as **SchoolEntries.**   *(01 mark)*

   c) Create a query to display all spices that cost below 5000 Ugandan Shillings. Name your query as **Spice less 5000**.   *(06 marks)*

   d) Use a query to calculate the Item Age from the time it was manufactured to date and your new calculated age field should be **Item Age**. Save your query as Item **time Lapse.**   *(04 marks)*

   e) Create a report based on your table and it should be grouped by Categories. Include your name as a header. Save your report as Food Store Report.   *(05 marks)*

3. The ministry of Health has warned the Citizens of Uganda of a deadly outbreak of Ebola in Kesese District.

Ebola is a virus that causes severe bleeding, organs failure, and can lead to death.Symptoms of Ebola Virus Disease (EVD) include: Extreme Fever, Severe headache, Muscle pain and body Weakness, Diarrhea and Vomiting, Abdominal (stomach) pain and unexplained hemorrhage (bleeding or bruising).

Humans are infected with Ebola through contact with an infected animal, such as a fruit bat, Blood or body fluids of a person sick or died

from Ebola, Objects (such as needles and syringes) contaminated, Infected fruit bats or nonhuman primates, Semen from a man who recovered from Ebola.

Ebola can be treated by Providing fluids and electrolytes (body salts) through infusion into the vein (intravenously), Offering oxygen therapy to maintain oxygen status, using medication to support blood pressure, reduce vomiting and diarrhea and to manage fever and pain and treating other infections, if they occur.

Required:
After reading the above information, design six slide presentation that can be used to sensitize the public about the deadly mentioned disease as:

SLIDE I *(02 marks)*
The general topic to be discussed and the name of the presenter.

SLIDE II *(02 marks)*
The definition of Ebola, include at least four to five bullet layouts in the rest of the slides write about:

SLIDE III
The possible symptoms of a person suffering from EVD *(05 marks)*

SLIDE IV
The possible means the EVD can get transmitted to humans. *(05 marks)*

SLIDE V
The negative impact that can be caused by EVD *(05 marks)*

SLIDE VI
The means used to treat the EVD *(05 marks)*

In each of the above slide include:

- The hyperlinked action buttons which can allow the presenter to move from one slide to the other by a click. *(02 marks)*
- The appropriate minimal graphics. *(02 marks)*
- Include minimal animations and transitions. *(02 marks)*

4. You are requested to design a three-page website about computer hardware topic as below:

Page 1:
   a) The home page with a large heading: Computer Hardware, centered within two thick horizontal rules. *(03 marks)*

   b) The definition of computer hardware having fairly visible fonts. *(03 marks)*

   c) The unordered list of categories of computer hardware such as Input hardware, Processing hardware, Storage hardware, Output Hardware. *(06 marks)*

   d) Select any of the items in the unordered pair list and create a hyperlink to the new Page 2 where you will feed the information. *(03 marks)*

Page 2:
   a) Design a page of the selected item, put a general heading about the item. *(03 marks)*

   b) Write a short definition of the selected item. *(03 marks)*

   c) Create the ordered list giving at least four examples of the selected item *(03 marks)*

   d) Make a simple line as **Click Here to fill a form** below this page and hyperlink it to Page 3. *(01 mark)*

Page 3:
   a) Create a form with check boxes and radio buttons as:
      Select the topics you wish to study by next term: *(02 marks)*
       Elementary Programming
       Systems Analysis and Design
       Computer Ethics
       Computer Software

      Select a teacher you want to teach you next term: *(02 marks)*
       Mr. Trevor Ayaman Gang
       Ms. AyiyenaRara King
       Mr. HolstarMatimam
       Mr. AndeTengSoo

****END****