

840/2
COMPUTER STUDIES
(Practical Paper)
Paper 2
FRIDAY, 17th August 2018 (Morning)
2 hour 30 minutes

ACHOLI SECONDARY SCHOOLS EXAMINATIONS COMMITTEE

Uganda Certificate of Education

Joint Mock Examinations, 2018

COMPUTER STUDIES

(Practical Paper)

Paper 2

2 hours 30 minutes

INSTRUCTIONS TO CANDIDATES:

- ✓ This paper consists of **two** sections **A** and **B**.
- ✓ Section **A** contains **onecompulsory** question.
- ✓ Section **B** contains **three** questions. Answer any **two** questions from this section
- ✓ Any additional question(s) answered will **not** be marked
- ✓ Each candidate must have a new formatted **blank compact disk- re writable**
- ✓ Each candidate must produce a hard copy and a soft copy for each of either work to accompany the CD.
- ✓ Software help wizards must **not** be used

SECTION A (40marks)

This section is COMPULSORY

Question1:

(a) Type the following text using a word processing programme. (04marks)

Author: Evelyn Vardanyan

On 16th – 18th September, the National University of Science and Technology (NUST) in Zimbambwe hosted a conference themed around gender mainstreaming at higher education institutions beyond 2015.

The predominant issue raised at the event was the pressures of a culture where marriage and child bearing are celebrated as the biggest achievement, while the attainment of higher education is just an 'added value'. Furthermore, in most universities in Africa, gender policies are discreet or non-existent. In some cases where affirmative action is introduced the condition is rather not the same.

Existing studies of African higher educational institutions show that there is a sizable gender gap, especially at a higher level of career progression. The patriarchal society context shows that the male body and female body bear cultural meanings and representations that reflect power relations within society, according to Dr.Ochieng from Mount Kenya University.

Sourcefile:///D:/6%20downloads/Gender%20mainstreaming%20at%20higher%20education%20institutions.htm

(i) Copy the typed text and paste it on **page 2**. Apply the following changes to the copy. (01 mark)

(ii) Put the heading **"gender mainstreaming at higher education institutions"** (01 mark)

- Justify **paragraph two** and convert it into **three** columns with a line in between. (02 marks)
- Apply a boarder on **paragraph one** with a shadow effect of **3pt** width. (02 marks)
- Create a footnote on the word **representation** with the details **"illustration"** (01 marks)

- Use a light colour highlight to the words **Mount Kenya University** in the last paragraph. (01 mark)
- Hyperlink the source to the top of the document on page one. (02 marks)
- Drop cap paragraph three with 4 lines dropped. (02 marks)
- Insert a watermark of your name and personal number. (02 marks)
- Set the page to A4, all margins at 1.5cm, colour "Aqua, accent 5, lighter 60%'. (02 marks)

(b) The spread-sheet below contains assumed fees collections in billions per year for a couple of universities in Uganda. Study it carefully and execute its tasks.

(i) Enter the information below in an electronic spread-sheet of your choice. Save your work with your first name and personal number. (05 marks)

	A	B	C	D	E	F
1	UNIVERSITY	LOCATION	FEES COLLECTION (IN BILLIONS) @ YEAR	NEW FEES COLLECTION	POSITION	CATEGORY
2	Makerere	Central	Shs.120			
3	Kyambogo	Central	Shs.90			
4	Mbarara	Western	Shs.60			
5	Gulu	Northern	Shs.40			
6	Busitema	Eastern	Shs.30			
7	IUIU	Eastern	Shs.35			
8	Nkozi	Central	Shs.30			
9	Mukono	Central	Shs.45			
10						
11	New % increase			12%		
12	Highest					
13	Mode					
14	Average collection					

Copy and paste your spread-sheet to sheet two and use it to answer the questions below:

(ii) Wrap text for new fees collection column heading. (01 mark)

(iii) Assuming that the council of all universities has decided to increase fees by 12%, using absolute cell referencing, determine the new fees collection by every university. (01 mark)

(iii) By use of a function in each case determine:

- The average fees collected by these universities. (01 mark)
- The position of each university in fees collection. (01 mark)
- Mode of the original fees collection. (01 mark)
- Category of each university assuming that universities are categorised as "3rd class" when their original fees collection is below 40 billion, as "2nd class" when it is below 60, and "1st class' for the rest. (02 marks)

(iv) On a separate sheet generate a well labelled 3-D line chart representing universities and their original fees collections. Name the worksheet "Uni-Fees" (03 marks)

(v) Apply a yellow fill background colour to your table. (01 mark)

(vi) Filter out all those universities from the central region. Paste them on a new sheet called Central. (02 marks)

(vii) Have all the universities sorted in ascending order on the basis of university name. (02 marks)

SECTION B (60marks)

*Answer any **2** questions from this section*

Question 2:

(a) Create a presentation with 5 slides with a topic 'computer literacy'.

First Slide: a brief definition of computer literacy. (02 marks)

Second Slide: an outline of the advantages of being computer literate. (03 marks)

Third Slide: summary of the disadvantages of being computer literate. (03 marks)

Fourth Slide: a list of topics you have covered during the computer course. (03 marks)

Fifth Slide: a table with two columns displaying various components of computer hardware and computer software. (03 marks)

(b) Save your work as computer literacy in your folder. (01 mark)

(c) Your presentation should consider the following:

(i) Use appropriate animation schemes for viewing your presentation. (02 marks)

(ii) Use of clip art and word art where applicable. (02 marks)

(iii) Use of suitable transition scheme such that every slide in the show slowly replaces another every 5 seconds. (02 marks)

(iv) Use a suitable design template which will allow you to format your background with two colours. (02 marks)

(v) Insert your names in the header and personal number in the footer in the hand-out. (02 marks)

(vi) Use action buttons to ease navigation of slides during the slide show. (02 marks)

(vii) An active hyperlink connecting the first slide to the last slide. (02 marks)

(d) Save and print all your slides on one page. (01 marks)

Question 3:

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

ID No	First Name	Last Name	Sex	Age	Residence	No. of children	Gross pay	PAYE
P025	Peter	Ocen	Male	24	Wakiso	2	880,000	
P039	David	Obal	Male	25	Wakiso	3	660,000	
P048	Ann	Arop	Female	34	Muyenga	1	670,000	
P040	Titus	Komakech	Male	28	Kazo	2	750,000	
P057	Annet	Lalam	Female	27	Kawempe	4	940,000	
P063	Thereza	Okello	Male	26	Kanyanya	3	780,000	
P079	Tania	Abalo	Female	23	Ntinda	1	790,000	
P085	Rona	Lakot	Female	35	Natete	3	820,000	
P019	Joyce	Akech	Female	36	Makindye	4	890,000	
P068	Ronald	Okecha	Male	42	Mbarara	5	450,000	
P046	Theo	Okwera	Male	26	Wakiso	2	560,000	
P033	Ole	Opio	Male	36	Kawempe	4	888,000	

You are required to:

(a) Create a database file called Young Consult Ltd. (01 mark)

(b) Create a table structure for the table above assigning it with appropriate data types and primary key. Name if Young Table 1. (03 marks)

(c) Create Young Form 1 and use it to populate Young Table 1. (07 marks)

(d) Create Young Form 2 and use it to fill PAYE column for all employees. PAYE is calculated at 10% of Gross Pay. (03 marks)

(e) Create s Query that can return all those employees whose names begin with letter T, and name it T-query. (03 marks)

(f) Generate a database object that can be used to return details of all employees whose age is below 30 years. Assign it appropriate name. (03 marks)

(g) Create a report of all female employees with appropriate title and a footer of your name. (03 marks)

(h) Create a query showing all employees who reside in Kawempe and Wakiso. (03 marks)

(i) Apply a UGX currency symbol on the Gross pay figures. (02 marks)

(j) Save and print all your work. (02 marks)

Question 4:

Assuming thatyou are a fresh and young Web master use any appropriate web publishing software, design a couple of web pages about your personal company with the following characteristics;

(a) A home page with relevant general welcoming information to your visitors.

(b) Other pages with the following information:

page II: brief company background and friends (04 marks)

page III: company location and managers (04 marks)

page IV: company products and services (04 marks)

page V: company objectives (04 marks)

NOTE:

(i) Create a moving marquee page title for the home page title (02 marks)

(ii) Use appropriate graphics for the different pages (04 marks)

(iii) Appropriate background colour mix (02 marks)

(iv) Include your contact details as the website designer (02 marks)

(v) Include page navigation hyperlinks (02 marks)

(vi) Save your website with your name and personal number. (02 marks)