

# UNEB UACE SUBSIDIARY ICT 2017

## PAPER 1

**Answer all questions**

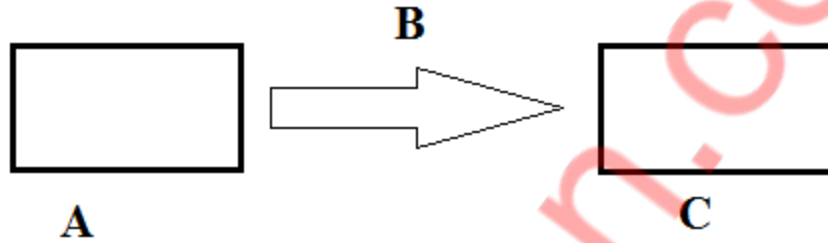
1. a) Name one tool used to remove dust from a computer.
- b) Give reasons why one would require the following in the computer laboratory;
  - i) Uninterruptible Power Supply
  - ii) LCD projector
2. a) Write the procedure for changing the name of an existing file or folder.
- b) Explain the function of a device driver in a computer system.
3. Write the following in full as used in Information and Communication Technology;
  - a) CCTV
  - b) ROM
  - c) CAD
  - d) CPU
  - e) VDU
4. a) Identify one storage device that is resistant to virus attacks.
- b) Describe the following terms as used in computers;
  - i) File
  - ii) Folder
5. a) State four categories of the components of a computer system.
- b) Give the function of any one category you have stated in 5(a).
6. Indicate TRUE or FALSE against each statement in the table below

	STATEMENT	TRUE/ FALSE
a)	Open source software is copyrighted and distributed without costs for trial period.	
b)	Product activation is used to ensure that software is not installed illegally.	
c)	Programming software interfaces user application and computer hardware.	
d)	A file extension is a combination of characters used to identify a file	
e)	A clipboard holds copied data.	

7. a) Define the term hardware as used in Information and Communication Technology.
- b) Name two ports used to connect devices on a computer.
- c) Give one device that can be used to transfer a hardcopy document to a computer.
8. a) What is system software?
- b) Outline any four functions of an operating system.
9. a) Distinguish between Reading and Writing in relation to storage medium.
- b) Mention one example for each of the types of storage devices given below:
  - i) Optical storage
  - ii) Magnetic storage
  - iii) Solid state
10. a) Name any two examples of documents created using desktop publishing application.
- b) State any three desktop publishing features that can enhance the documents you named in 10 (a).

11. a) Outline any three threats that a System Administrator may face as a result of networking computers.  
 b) Suggest any two measures that the system administrator can employ to reduce the network threats.

12. Study the data communication diagram below and answer the questions that follow:



- a) Name the elements of data communication labeled A, B and C.  
 b) Suggest the device used to connect A to B  
 c) State the protocol used to uniquely identify A and C

13. The table below consists of some of the peripheral devices of a computer. Indicate Input or Output.

14. a) Give two reasons why an electronic spreadsheet application is suitable for preparing budgets.  
 b) State one use of each of the following applications;

- i) Presentation software  
 ii) Word Processor  
 iii) Communication software

15. a) Name one example of presentation software.  
 b) Give the importance of each of the following features as used in electronic presentation;  
 i) Master Slide  
 ii) Transitions.

16. a) State three advantages of using e-mail services over sending mail by post.  
 b) State two advantages of post- mail services over e-mail communication.

17. Give five examples of networking hardware.

18. Outline five ways in which a student can use the Internet.

19. a) i) What is a data transmission media?  
 ii) Give two examples of transmission media.

b) Name two services offered by data communication tools.

20. a) Give any two services that use Electronic payment (E- payment) method.  
 b) State three advantages of using E – payments over traditional methods.

**END**

## **PAPER 2 : PRACTICAL**

*Answer any three questions*

1. a) Using a suitable word processor, create the following table of information belonging to Madiba Enterprises Limited. Save it as your name and personal number.

<b>Name</b>	<b>Age</b>	<b>Sex</b>	<b>Salary (Shs)</b>
Munyagwa	28	M	450,000

Bbaale	30	M	550,000
Bena	25	F	950,000
Namusisi	26	F	380,000
Cosy	27	M	400,000
Daniella	32	F	600,000
Akello	34	F	560,000
Faluk	38	M	760,000
Kiwa	37	M	850,000
Manafwa	25	F	865,000

- b) Make a copy of the table onto the next page.
- c) Sort the records in the table in descending order of Salary.
- d) Italicize the column headings and change them to font size 15.
- e) i) Add a row at the bottom of the table.  
ii) Use in-built formulae to find the average age and total salary.
- f) i) Insert a column to the right of the table and merge the cells.  
ii) Type the text "Salary is paid on 28th day of every month without fail" and align it vertically in the centre.
- g) Insert a row at the top of the table and insert a suitable heading.
- h) Align your table in the centre of the page.  
i) Insert a header containing your name and personal number in capital letters.
- j) Save and print your work.

2. In this era of Information Technology, youth are vulnerable to many challenges in their life. Assuming you are appointed health prefect of your school and you are required to make awareness about abstinence;

- a) Use a suitable presentation software to design a five-slide presentation about abstinence and include the following information.
  - i. Slide 1: The topic, your name and current automatic date
  - ii. Slide 2: Introduction and definition of abstinence
  - iii. Slide 3: Advantages of abstinence among the youth.
  - iv. Slide 4: Youth affected by early sex in 2009 – 20%, 2010 – 30%, 2011 – 27%, 2012 – 33%, 2013 – 35%. Represent the data in a tabular form.
  - v. Slide 5: Use a column chart to represent the data in slide four

- b) Insert relevant graphics in your presentation.
- c) Apply suitable animation to your presentation.
- d) Insert a footer as your name and personal number
- e) Save your presentation as your name and personal number.
- f) Print your presentation as handout on one page.

3. a) Using an appropriate database program, load the file POPU. Save it as your name and personal number.  
b) Open the table "Nation" in Design View and adjust the data types appropriately.  
c) Enter the following details in the field IDNo.

N001	N002	N003	N004	N005	N006	N007	N008	N009	N010
N011	N012	N013	N014	N015	N016	N017	N018	N019	N020

- d) Delete the default ID field from the table and make IDNo the primary key.
- e) Create a query including the fields of NAME, SEX and MARRIAGE to select all those female citizens who are not married. Save the query as Status.
- f) Make another query with only the concerned fields to display families living in semi-permanent houses and having the number of members in the family which is 12 and above. Save this query as Semi Permanent.

- g) Produce a report showing all fields except the fields; DATE OF BIRTH and MARRIAGE STATUS. Save it as Final Report.
- h) Insert a footer as your name and personal number on the report.
- i) Save and print your work.
4. a) Use a publication software to open the file phone.pub and save it as your name and personal number.
- b) Insert a text box of height 0.791” and width 8.936” on the top most part of the page and do the following:
- i) Type “YUNNO SENIOR SECONDARY SCHOOL”
  - ii) Change the font type to Rockwell condensed size 28 and any color.
  - iii) Insert a logo of your choice in any appropriate position of the text box.
- c) i) Insert any two pictures from the folder Images, in the positions labeled No1 and No2.  
 Resize the pictures to fit in the textboxes.
- ii) Type “Invitation to silver jubilee celebrations” between the two images and change the font type to Old English Text MT size 24.
- d) Group all the layout objects
- e) Type the following text in the area marked z and centre align it.

*Dear*

*Mr/Mrs/Rev/Hajji.....*

*You are hereby invited to attend the schools silver Jubilee celebrations due to take place on*

*15<sup>th</sup> December this year at 10:00amat the school’s Rwakanengyerere Square.*

- f) Type in your name as the recipient of the invitation.
- g) Save and print your work.
5. a) Using any spreadsheet program, load the file Data which shows the number of votes obtained by Chairperson Local Council five (LCV) candidates in different countries of a district. Save your work as your name and personal number.
- b) Add two columns: TOTAL and POSTION.
- c) Using any relevant formula, calculate:
- i) Total Votes
  - ii) Position.
- d) Skip one row after the last candidate and type the word Highest Votes. Calculate the highest number of votes for each country.
- e) In the next row, type the word Total Voters. Calculate the total number of voters per country.
- f) Format the table to fit on the page.
- g) i) Insert two rows above the first row,  
 ii) Type an appropriate heading for the table andcentre it.
- h) Insert a 2D stacked line chart for all the candidates and their votes in the counties EXCEPT county C.
- i) Add appropriate chart title and axis titles.
- j) Transfer the chart onto another sheet.
- k) Insert a header of your name and personal number.
- l) Save and print your work.
- END**

## **PAPER 3 : PRACTICAL**

*Answer any three questions*

1. a) Using a word processing software, open the file document xy and save it as your name and personal number.
- b) Underline the heading with a dotted line.
- c) Drop cap by three lines the first paragraph.
- d) Convert paragraph two into two columns with a line in between.

- e) Insert page numbers, centre aligned in the A, B, C format.
- f) Insert an appropriate watermark of size 38.
- g) Insert a page break after the first paragraph.
- h) Insert the image100.jpg on the first page.
- i) Apply a page boarder on the first page only.
- j) Insert your name as the header and today's date as the footer.
- k) Set paper sizw to A5 for the whole document and print your work.

2. As an ICT student, you are required to use a suitable publication software and design a four cover for the magazine called Agriculture for Better as follows:

- a) Use appropriate layout, paper balance, font variation and relevant pictures. Save it as your name and personal number.
- b) Insert a clip to represent the writer at the bottom of the cover.
- c) Use your name as the author of the magazine.
- d) Insert automatic current date to appear as the date of publication.
- e) Apply suitable background for the cover.
- f) Insert your name and personal number as a header.
- g) Save and print your work.

3. A medical centre wishes to computerize all its patients' records.

- a) Create a database for the centre and save it as your name and personal number,
- b) In Design View, create a Table with the following properties and save it as a **Patient Bio Table**.

Field Name	Properties
Patient Name	Text (20)
Sex	Text (1)
Residence	Text (25)
Patient Code	Text (4)
Date of Visit	Date/ Time (shortDate)
Diagnosis	Text (25)

c) Create a form for Patient Bio Table and enter the records below, save it as Patient Bio Form.

Patient Name	Sex	Residence	Patient Code	Date of Visit	Diagnosis
Adriko Sam	M	Kasese	ADS009	3/4/2006	Malaria
Aketch Sally	F	Bulamu	ADS010	13/01/2006	Septic wound
Ddumba Zam	F	Rubaga	ADS011	21/11/2005	Infection in chest
Talemwa Steve	M	Kasawo	ADS012	3/10/2005	Malaria
Sano Dan	M	Bulenga	ADS013	13/03/2006	Inflamed joints

d) In Design View, create another table with the following properties and save it as Patient billing Table.

Field Name	Properties
Patient Code	Text (4), Primary Key
Prescription	Memo
Consult_fee	Number
Treat_fee	Number
Medical Bill*	Number

\*Medical is a calculated field which is  $Consult\_fee + Treat\_fee$

e) Populate the Patient Billing Table with the following data;

Patient Code	Prescription	Consult Fee	Treat fee	Medical bill
ADS009	Dualcortem	15,000	25,000	
ADS010	Tetanus vaccine, daily dressing	15,000	20,000	
ADS011	Ciproflaxin tabs, PPF injection	15,000	15,000	
ADS012	Chloroquine injection	15,000	30,000	
ADS013	Referref to sickle Cell Clinic - Mulago	15,000	5,000	

f) Create a one-to-one relationship between the Patient Bio Table and the Patient Billing Table.

g) Create a query which extracts fro Patient Bio Table only those patients who were not diagnosed with Malaria. Save it as Anti-Malaria.

h) i) Create a report showing Name, Residence, Prescription and Medical Bill. Save it as Clinic Report.

ii) Include a report footer of your name and personal number.

iii) Print all your work.

4. As a peer educator, you have been told to prepare for a workshop where ypu will address the youth about a topic "Adolescence". A folder called Images has been provided to help you get all the related pictures.

a) Prepare a presentation with six slides about adolescence as follows:

i. Slide one: Introduction about the topic

ii. Slide two: Characteristics of male adolescents

iii. Slide three: Characteristics of female adolescents

iv. Slide four: Effects of uncontrolled adolescene

v. slide five: Advice to adolescents

vi. Slide six: Telephone contact is +256-56418545, website address is [www.youthclub.org](http://www.youthclub.org) and email is This email address is being protected from spambots. You need JavaScript enabled to view it.

b) Select any four pictures and insert them on appropriate slides.

c) The presentation should run automatically without stopping.

d) Insert your name and automatic date as a footer.

e) Save your presentation as your name and personal number

f) Print all your slides on one page.

5. a) Using an appropriate spreadsheet application, load the file Exam results and save it as your name and personal number.

b) Rotate the titles to an angle of 60 degrees.

c) Copy the table to sheet 2 and rename the sheet modified.

d) Using appropriate functions, compute;

i. total marks obtained by each student to be placed in column P.

ii. average marks to one decimal place obtained in the compulsory subjects (English, Mathematics, Geography, History, Biology and Chemistry). Place the average marks in column Q.

iii. the number of students who sat for Computer as one of their optional subjects. Place the result in cell C25.

iv. the highest score obtained in Chemistry. Place the result in cell C26.

e) Sort the students' records in descending order according to their total mark.

f) Insert a footer of your name and personal number.

- g) Include all borders on the table
- h) Save and print the work.

**END**

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