

Candidate's Name:

.....	Random No					Personal No.		
Signature:.....								

**S850/1
Information and
Communication
Technology
Paper 1**



B.PETER'S ACADEMIC PLATFORM

Information and Communication Technology

Paper 1

2 hours 30 minutes

INSTRUCTIONS TO CANDIDATES:

Answer all questions in all booklet



Item 1

Senior two students of st Augustine secondary school recently went for a geography trip to Queen Elizabeth national park and they took very many photos using their class teacher's digital camera.



Tasks

Upon returning to school, the students transferred all their photos from the camera to one of the desktops in the computer laboratory. The photos were saved in a folder with a size of 5 GB. The students' class monitor later shared all their photos with one of their former classmates who currently lives in Kenya.

1. Explain how the photos were sent to the former classmate in Kenya starting with transferring them from the camera.
2. Students were later given 12 new CDs each 700MB by their teacher on which to save all their trip photos.
 - i) Describe how the trip photos were transferred from the hard disk to the CDs provided by the teacher.
 - ii) How many CDs full of data do you think the students used? Give reasons for your answer.

Item 2

Your mother has given your grandmother a computer as a gift. Your grandmother is a retired typist and is familiar with a type writer, but she is not very familiar with computers. However, she is looking forward to learning about them. Your mother

has asked you to write simple step by step guidelines to help your grandmother understand the parts of a computer and their functions, to gently get her started in its use.

TASK

- a) Write a precise statement on what the manual should do for your grandmother.
- b) Write a manual to help your grandmother.

Item 3

Eric a member from the writer's club has won a national story telling competition. The prize is his choice of a laptop, notebook or cell phone, to a maximum of US\$ 1000(Ush 3,900,000), but the device selected must be purchased in your country. He has asked you to help him choose the device that will be of most use to him. He needs to make a decision within a week or he will have to accept whatever is given to him.

on the market a computer worth that money has the following specifications :HP Envy X360 2 in 1 Laptop, 14- ES0033DX intel core i7-1355U processor,2 1TB Solid State drive,3 16GB On board DDR4SDRAM,Windows 11 touch screen, muliti touch enable, 14.0"FHD IPS LED Display HP 5MP camera and finger print reader

A phone has the following properties: GALAXY S23 ULTRA 12GB RAM 512 GB ROM 5000mAh BATTERY

A note book has the following properties: HP ProBook 450 15.6 inch G10 Notebook PC, Intel i7-1355U, 16GB DDR4-3200MHz RAM, 512GB PCIe NVM SSD expandable up to 2TB.

TASK

Advise Eric on which device you think best suits his needs.



Item 4

Shamim is a form one learner, newly transferred to your school during term one .She was not exposed to information and communication (ICT) at her previous school yet at your school it is compulsory in form 1 and 2. You observed Shamim doing several dangerous things to her own wellbeing and also to the proper functioning of the computer laboratory. As a student who has some knowledge of ICT, you feel that you should correct her.

TASK

- a) Highlight four actions Shamim may have been doing that you consider to be incorrect laboratory protocol
- b) Besides not doing ICT before at school, what are two other possible reasons for Shamim not following correct laboratory protocol? Explain why you suggested these reasons
- c) For the actions highlighted, write brief guidelines to help Shamim follow the correct protocol

Item 5

You have been invited to The *World Information Technology Summit* to present on the topic '*Your Computer, Your Health, and Your Responsibility*'. You have been asked to focus on the most wide spread issues that have an impact on computer users . You only have ten minutes for your presentation, as several students from other countries are also presenting other topics.

Task

Write your presentation in no more than 150 words to explain what you consider to be the five most important points (use a few real life examples from your school situation to explain your views)

Item 6

Your brother is going to present to the board of directors of his company in 10 minutes but he forgot his laptop with the presentation on the chair in the sitting room, he calls your mum over the phone for help, giving the laptop to the boda boda guy will take long to reach your brother. Your mum immediately recalls that you do ICT, she calls and asks you to send your brother his presentation.

TASK

How are you going to send the work to your brother?

Item 7

In a recent development, private schools in Uganda have agreed to stop the practice of opening and closing their school term at their own discretion. This decision was made in collaboration with the Ministry of Education and Sports to ensure that all schools follow the National calendar. Mr. Hassadu Kirabira, the national chairperson of the National Private Educational Institutions Association (NPEIA) Uganda, stated that this move comes after meetings and discussions with the Ministry of Education. It has been decided that it is illegal for schools to close before the official date set by the national calendar.

This announcement was made during the 30th anniversary celebrations and a national prayer dedication event for this year's Primary Leaving Examinations (PLE), Uganda Certificate of Education (UCE), and Uganda Advanced Certificate of Education (UACE) candidates.

Mr. Kirabira also pointed out that parents share some responsibility for the early closure of schools, as they sometimes fail to pay school fees on time. He emphasized the importance of meeting financial obligations to ensure the smooth operation of schools.

Despite facing various challenges, including taxes, Mr. Kirabira highlighted the contributions of private schools to the education sector. He urged the government to reconsider taxation and impose a unified tax system on all private schools.

He also mentioned issues with local government taxes that are not regulated by the central government.

Mr. Swaibu Kitezala, the executive director of Jinja Progressive Academy (JIPRA), explained that the decision to organize the prayers in Busoga Sub-region, specifically at Jinja Progressive Academy, was made during a similar function at St Lawrence Schools. Many schools participated which included; Kiara City High School Bulaga, St Lawrence schools, Buddo SS, etc under the Host school Jinja progressive Academy (JIPRA). The entire event was going on as serious students are noting down some important information for the future





use.

TASK;

- a) As a student with vision of Lighting your candle; which Microsoft program would you use to type the notes you noted down during the event. **(01 score)**
- b) Within few words, briefly give atleast four examples of the software mentioned above
- c) Following the procedures you have gone through while typing, explain atleast four advantages of using word processors over a type writers
- d) **Salmah** a **S.4** vacist prefer using keyboard shortcuts to accomplish her task within few minutes, as a computer elite, mention 10 keyboard shortcuts and give their meaning.
- e) Some people who never went to school find it difficult to use a word processor; using your own reasoning briefly. explain four disadvantages of using word processor programs
- f) Explain some steps on how you can start a processor program using a well assembled computer.
- g) Advise Shantel who prefer paper work on some of the purposes of Microsoft programs.

Item 8

MR.BYANSI UMAN, An **ICT** teacher has the devices below but unfortunately each was dismantled by students in the computer laboratory during the maintenance process by laboratory technician which is made after two (2) consecutive months under the support of the school.

RESOURCE



TASK

(a).As an **ICT** student, briefly outline some of the steps which should be followed in order to assemble the devices above

(b).State how the following hardware devices can help you in typing, processing, storing of data and information

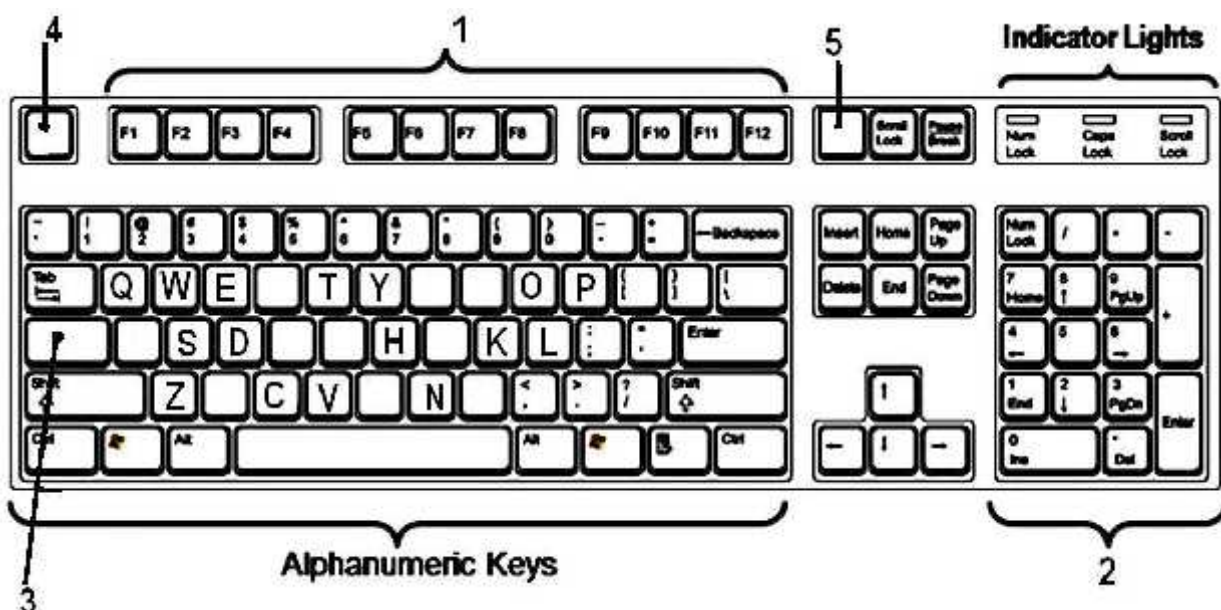
i. A keyboard ii.A mouse iii. A computer

(c).Briefly explain atleast three uses of computers in the following fields.

(i).Education. (ii).Home (iii).Police. (iv).Banks

Item 9

The secretary of Rutunguru 2022 development SACCO Ms. Komugisha who last used a computer in 2016 has been requested to typeset the minutes of the SACCO's meeting that was held on 25th may 2022.The computer she has been provided to use has a keyboard which is missing some buttons and she does not remember the names of some parts of that Keyboard.



Task

- a) As an ICT student, you have been approached to remind Ms Komugisha the parts of the keyboard she does not remember and help her identify the missing keys by illustrating the alphabetical pad because she has to buy and fix them. (15 marks)
- b) Help her identify other hardware components she can use with the keyboard to successfully come up with the requested minutes.

Item 10

In your daily life, you have been accessing or receiving information and sharing or writing letters to your friends and parents. You generate and access information every day and share it in various ways. Even your school has information about learner's enrolment, academics, learner's health and so on, which it may share with different offices.



- a) List four things you would want to share with your parents or friends about your school. (4 marks)
- b) Describe how you will be able to share the information in (a) above with your parents and friends. (8 marks)
- c) Give the benefits of one of the methods you have used in (b) to share information. (4 marks)
- d) Give the difference between information sharing and information accessing.



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Paper 2



B.PETER'S ACADEMIC PLATFORM

Information and Communication Technology

Paper 2

2 hours 30 minutes

INSTRUCTIONS TO CANDIDATES:

Answer **all** questions in this paper

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Item 2: Spreadsheets

MMM secondary school has just had their end of year examinations. The results for the different subjects are in the document named **results.docx**. You are going to analyse these results using a suitable spreadsheet software and answer the following questions.

- i) Load the contents of the file **Data.docx** into a suitable spreadsheet application
- ii) Insert your name and index number as the middle header.
- iii) Determine the total score for every student.
- iv) Determine the average score for each of the students and correct to two decimal points.
- v) Use the Rank Function to assign each student a position in class.
- vi) Create a word document and save it with the file name **Results.docx**
- vii) Take a screen shot of your work and paste it in Word document Results.docx.
- viii) Show the formulas used to calculate and take a screenshot and paste it in Results.docx.
- ix) Using any function of your choice, insert a comment column which automatically assigns “Good performance” for the participants above Average 70, “Fair performance” for the participants above average 50 and “Needs improvement” for average 50 and below.
- x) Create a column graph on a new sheet summarising the participants’ performance showing their average scores.
- xi) Format the chart with the following:
 - a. appropriate chart title
 - b. data label on each column
 - c. horizontal axis
 - d. vertical axis
- xii) Display the table of scores used in the graph below the graph for easy interpretation by the management.
- xiii) Determine the modal mark for the class in all subjects and indicate it in the Results.docx.
- xiv) Save your work as MDD (your name) and print your work on A4.

Submit the printouts for Results.docx, final excel sheet on A4, and soft copies

of the work done.

Item 5

In a certain community, a group of employees formed a **savings group** called **Sente Kumeza Fund**. The treasurer of the group has a metallic box where money is kept and a small exercise book where members' transactions are recorded. The members who borrow, sometimes complain of how the calculations of loan repayment amount are made.

The savings group recently received a new member, who expressed concern about the way records are being managed and suggested that a computerized system be adopted to manage the records. The members took the concern positively but none of them has computer knowledge and skills.

The records in the small book have been extracted and provided in the support file **KUMEZA.docx**. and a sample of the reminder letter for those with loan balances in the file **DEMAND.docx**.

Task

Using the support files provided;

- (a) Create an electronic storage of the records and use it to produce a graphical representation of members' savings.
- (b) Generate a list of members with loan balances and prepare a reminder letter for each of them.

In a certain school, the administration wishes to use ICTs to interact effectively with the Public on all events happening at the school, such as academic affairs, current projects, sports among others. The public should be able to provide feedback.

The administration is also intending to provide an **active form** for those students who would wish to join the school.

Task

Develop an online platform that illustrates to the administration, on how to address the concerns of the school. A support folder called **My_School** has been provided containing some files which may be used

Item 6

Mbale central market has a number of working staff whose data has not been well managed within the system. One day the town clerk requested the market in charge to produce a statement of the payments made by the vendors.

Load the file **MBALE.docx** from the support file.

Task

- a) Generate an electronic statement for the vendors who paid their monthly tax promptly.
- b) Produce a copy of the vendors who are within the market of central market.
- c) Create an electronic storage of the records that will be presented to the town clerk.

Byansi Uman a football player of Kasato fc which is now the wining team in group a of the Eid cup organized by one of the area member of parliament of Buyende district , Kasato FC is soon going at the final with one of the team from Jinja city which is in group B. He was appointed to be the chairperson of the captains in the two teams and the beneficiary of his position was to invite his colleagues who lost the match within the due course of the tonourment.

The Record in a folder **Munaku Kaama.docx** in the support file has been provided.

Task

- a) Generate a copy of the electronic information that will be sent to different individuals inviting them for a match at Kakindu stadium in Jinja city.
- b) Create a platform that will be able to format a document using different features but limited to five formatting features

item 7: Web designing/Desktop Publication

In this question, you will design a website with four pages.

Healing hospital located on Plot 23 Kampala Road has approached you to design a website for them. The hospital management wants a four-page website which will market its services to the outside world. The hospital address is P.O Box 3454 Kampala, email is healinghospital@gmail.com, Facebook page is www.facebook.com/healinghospital, Telephone number is +256707665582.

- i. Using the support content in support folder, design their website showing the staff page, how to contact them and the services they offer.
- ii. A well designed banner should appear on the four pages
- iii. The website should have well hyperlinked navigation buttons to take the visitor back and forth.
- iv. The links i.e. hospital email address and the Facebook address should be well actively linked.
- v. The telephone number for the hospital should keep moving from one side to another.
- vi. Save your website as Healing hospital website and print the pages.

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WORLD THROUGH EDUCATION"



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