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**INFORMATION AND
COMMUNICATION
TECHNOLOGY(ICT)**

**Paper 1
(Theory)
2 $\frac{1}{4}$ HOURS**



Apex Examination Council

PRE- MOCK EXAMINATIONS 2025

Uganda Certificate of Education

INFORMATION AND COMMUNICATIONS TECHNOLOGY

Paper 1

2 Hours 15 minutes

INSTRUCTIONS TO CANDIDATES

This paper has five examination items. It has two sections A and B.

Section A has one compulsory item.

Section B has two parts; I and II. Answer one item from each part.

Answer three examinations items in all.

Any additional item(s) answered will not be scored.

Answer sheets shall be provided. All answers must be written in the answer booklet(s) provided.

SECTION A (compulsory)

Item 1

In the ICT lab, the Tutor reminds students to always use the computers with clean hands, avoid drinking or eating near the machines, and not to remove cables from the computers. One day, during a practical session, Robert ignores the instructions and spills water on the keyboard while working on assignment. The computer stops functioning, and the teacher has to repair it.

Task:

- (a) What rules did Robert break, and how did his actions impact the equipment and class time?
- (b) How can students avoid such mistakes in the future?

SECTION B PART I (Answer one Item)

ITEM 2

Lydia spends several hours each day using a computer for her studies. She uses the computer in a chair that doesn't support her back, and her screen is too bright. Lydia sometimes experiences headaches and back pain after long computer sessions. She also frequently eats snacks while using the computer, which sometimes leads to spills on the keyboard.

Task:

What are the potential health risks Lydia faces by not using her computer properly? What are some steps she can take to ensure better posture and reduce eye strain while using the computer? How can Lydia protect her computer from damage caused by food or drinks?

ITEM 3

James is using Microsoft Excel to calculate the total marks for his class assignment. He enters data for each student but forgets to use a **FUNCTION** for the **SUM**, and manually adds the totals instead. When one student's marks changed, James forgets to update the total sum, leading to errors in the final result.

Task:

- (a) How can James use formulas and **FUNCTIONS** in Microsoft Excel to make his work easier and more accurate?
- (b) What are the benefits of using spreadsheets for organizing and calculating data?
- (c) What steps should James take to avoid making mistakes in his calculations?

PART II (Answer one Item)

ITEM 4

Maria is a Senior Two student at **MUSTA SECONDARY SCHOOL**. She uses the internet every day to find information for her homework and to watch videos that help her understand difficult subjects. The internet also allows her to talk to her friends and ask for help when needed. However, Maria sometimes gets distracted by games and social media, which makes it harder for her to focus on her studies. She has also accidentally come across some content that he shouldn't have seen.

Tasks:

- (a) What are the good and bad things about using the internet in Maria's situation?
- (b) How can Maria use the internet better to help with her studies and avoid distractions?

ITEM 5

Nalule is a qualified primary school teacher who has taught in a nursery school for quite some time. She has been earning a monthly salary of **UGX 200,000** though not promptly paid.

She recently landed on her dream job in a newspaper advert.

The school requires applicants to submit their application letters, Curriculum Vitae (CV) and academic documents online. However, Nalule's academic documents are kept somewhere in an envelope and she does not know how to go about this process.

Task

If Nalule approaches you to guide her through the procedure, provide a write up showing required steps and ICT tools that Nalule should use to successfully submit her job application.

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