

840/1

**INFORMATION AND
COMMUNICATIONS
TECHNOLOGY (ICT)**

Paper 1

July 2024

2¼ hours2

ASSHU ANKOLE JOINT MOCK EXAMINATIONS 2024

INFORMATION AND COMMUNICATIONS TECHNOLOGY

Paper 1

Theory

2 hours 15 Minutes

INSTRUCTIONS TO CANDIDATES:

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

Section A has one compulsory item.

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

Answer three examination items in all.

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

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

ITEM 1

The Management of Centenary Bank is planning an overhaul of the ICTs and systems to ensure easy banking and total security for the Banking facilities in the whole country. Previously, the clients have been complaining of the long distances travelled, long queues, misuse of their information accessed illegally and many more because the Bank has been relying on simple technologies that could not guarantee smooth, easy and assured security. The general manager is tasked to solve the above problems, unfortunately, he lacks the technical knowledge. Help him out.

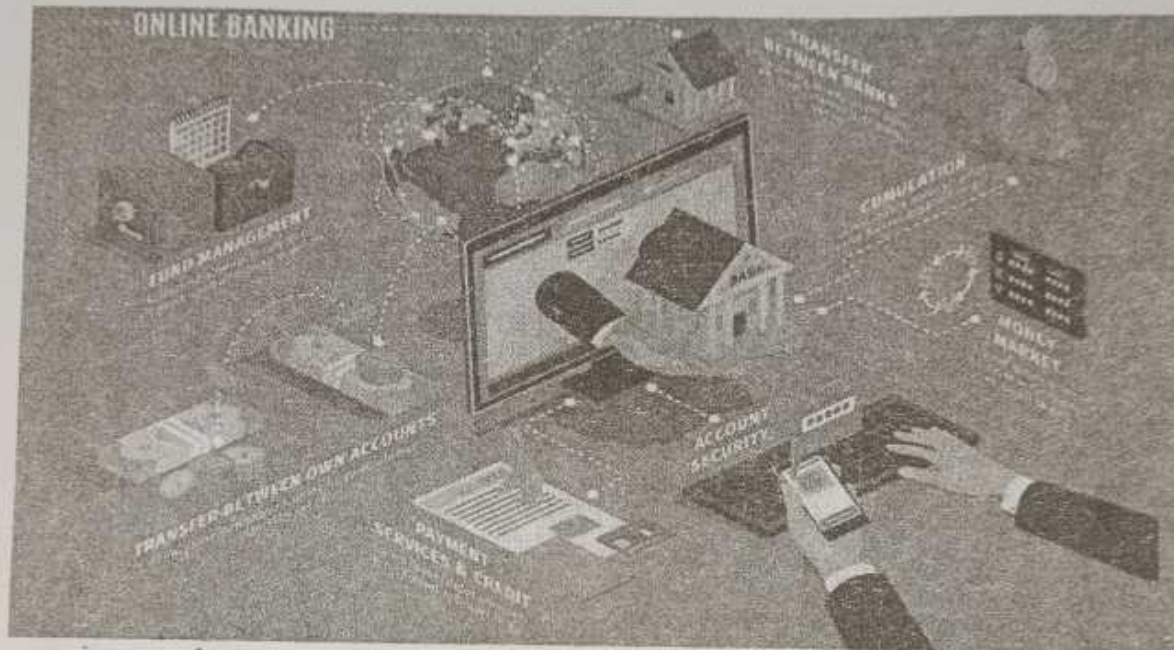


Figure 1 Innovations in the banking sector

Task

- i. Advice the Manager on the possible ICTs and innovations he could put in place to solve the above problem.

SECTION B

This section has two parts; I and II.

PART I

ITEM 2

A Community School in your District just received a donation of sets of desktop and laptop computers. Some of the devices are used while others are new. The used computers have Linux operating system preinstalled and learners are complaining about how complicated it is to use.

The new computers are preinstalled with only an operating system and no other program. The operating system installed on the new computers is Microsoft Office Windows 8, which is quite old and cannot support some new applications.

The school needs to have a uniform but easy-to-use operating system on all the computers and there is a need to install several different applications on each device. The school lacks ICT personnel to assist in the process of re-installation and installation of the different software and packages needed.

TYPES OF SOFTWARE



TYPES OF SOFTWARE || APPLICATION SOFTWARE || SYSTEM SOFTWARE
|| UTILITY SOFTWARE || COMPUTER BASICS

Task:

Prepare a report advising the school on what measures they need to put in place before, during, and after the installation.

ITEM 3

A dealer in second hand electronics is having a lot of e-waste that has accumulated over time. It consists of used up printing cartridges, computer sets, damaged scanners, home appliances and old fridges. His friends advised him about the dangers of keeping the e-waste piled and now wants to dispose it off through proper management. You have been identified as the best person to handle this work



Task.

- i. Make a write-up advising the Dealer on the effects of e-waste.
- ii. Other than recycling, explain how one can manage e-waste.

PART II

Answer one item from this part.

ITEM 4

A certain School in your village has just reported an incident of unauthorized access to the school computer system leading to a leak of confidential files, including personal details of students, parents, staff, and financial information.

The school needs to investigate the potential cause and source of the cyber-attack and put in place measures that will ensure overall computer security. However, the school lacks an expert who can help them to handle the issues at hand.



Task;

Assuming you were approached by this school, produce a write-up to assist them overcome the challenge.

ITEM 5

The UCC is planning to organize an ICT training at your School to equip the community members with ICT knowledge, values and skills. Your computer club is tasked to invite participants who are required to submit in their details such as, names, contacts, gender and titles that shall appear on their designed tags which will be sent to them before the training.

NAME:, SEX: ,AGE:		
Participant NO.	 UGANDA COMMUNICATIONS COMMISSION	
	RURAL COMMUNICATIONS DEVELOPMENT FUND ICT TRAINING FOR COMMUNITY MEMBERS AROUND SCHOOL FROM 7TH TO 18TH AUGUST 2024	

Task

Advise on how this can be done.