

840/1
**INFORMATION AND
COMMUNICATIONS
TECHNOLOGY (ICT)**

2 hours

UGANDA CERTIFICATE OF EDUCATION
INFORMATION AND COMMUNICATIONS TECHNOLOGY
BOT II EXAMS 2024

PAPER ONE

Theory

2hours

SECTION A

Answer the item in this section.

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.

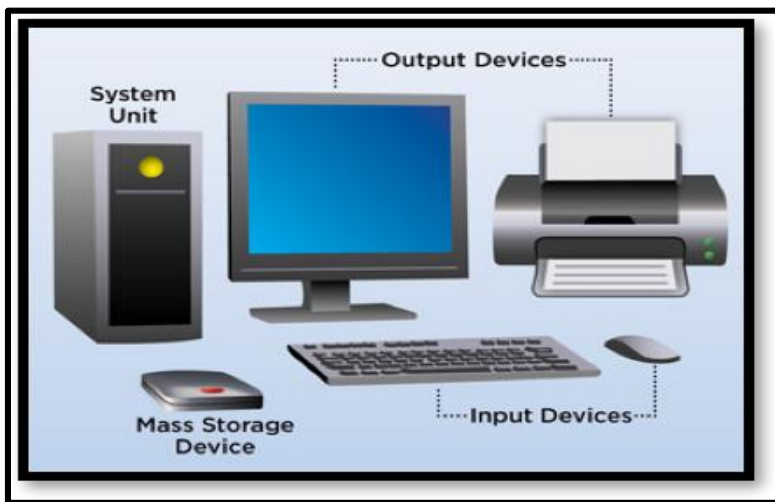
SECTION A

Answer the item in this section

Item 1;

The Uganda Bureau of Statistics (UBOS) is soon conducting the general counting of people in the whole country, being a national wide duty it is going to involve very many stakeholders including but not limited to; census enumerators, supervisors, Census District Officers, Police, CAO, leaders at the sub counties, municipalities and village chairpersons. Each supervisor is to be given a complete computer set with all the required peripherals, each census enumerator is to be given a data collection capturing tool to assist in the proper capturing and recording of peoples details. Unfortunately many supervisors and census enumerators have not had enough training on matters pertaining the use of these ICT tools. UBOS intends to hold training of its team at sub county level across the country. You have been contacted by UBOS to help in the training of the supervisors and the enumerators about assembling, usage and the importance of the required ICT tools. Your telephone contact has been shared amongst the trainees to call you in case of any challenges

Support material



Task

- Help UBOS by describing to its supervisors and enumerators how to assemble the different parts of a computer to come up with a functioning computer.
- While in field, one enumerator calls you and informs you that he has failed to locate the next village to go next. An ICT expert guide him well to the next village using any of the available technology.

SECTION B

This section has **two** Parts; **I** and **II**.

PART I

*Answer **one** item from this part.*

Item 2

It has been a long journey of four years in this academic battle. In your school a leaver's party is a must in each and every year. The leaver's party organizing committee was elected during the Friday class meeting led by your class teacher. Many of your classmates are excited about the party and some of them are even willing to participate in the miming of their favorite songs. A list of these songs have been collected by the secretary organizing committee. It contains songs such as Omwoyo, Masavu, Mbimalanga, Katonda yabadde mweno ensonga, Mai by B2C, Kani, Ampisizaawo by Judith Babirye among others. You are already on stage performing and the audience seems to be won over by your lyrics, accent and the vibe. Out of the blue, power goes off and there is total silence in the main hall. A standby generator was started and the DJ seems to be lost from the last stop, you quickly invite your friend to rush to the nearby music shop to carry your songs so that you can perform again.

Support materials



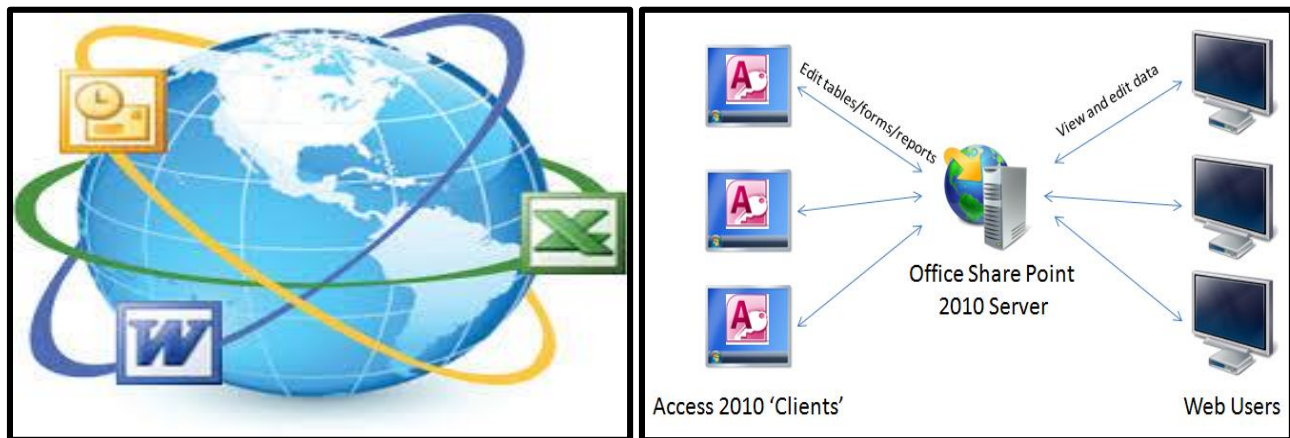
Task

- (i) Provide a list of devices/media/technology you are likely to use to transfer your favourite music from the music shop to the party hall
- (ii) Guide the music shop attendant on the steps required to transfer the songs from his computer to the tool available for transferring the songs

Item 3

The BILLIONAIRES CLUB is a new club joined voluntarily by employees of Sena General Hardware willing to change their financial and social status. In a meeting held at the start of the year, club leaders were elected as follows; Mr. Kiggundu K (chairperson), Namuddu R (secretary), Naluwagga E (Treasurer), Njogedde A (marketing). The minutes of the meeting were recorded in a 32 page Picfare book by the club secretary, members contribution and membership fees were recorded by the treasurer in another physical ledger, the secretary also recorded the details about members in another book entitled “Billionaires club information.”, the marketing officer also prepared information in different pages to be uploaded such that other members can search about the club activities and its membership. All the above information was given to the chairperson so that he can make a presentation to the Centenary bank loan officer Rubaga branch. On reaching the bank, the chairperson was quickly advised by the loan officer to go back and use a computerized system so that he can hand in both a soft copy to the official bank email and a hardcopy to the branch manager. The chairperson has invited you to guide him in coming up with both a hardcopy and a softcopy of the club documents

Support material



Task

- (i) Prepare a write up to the chairperson of the club containing different computerized software and how they can be used to by the elected club leaders.
- (ii) Demonstrate to the chairperson the steps taken to send the softcopy to the official bank email (info@centenarybank.co.ug.)

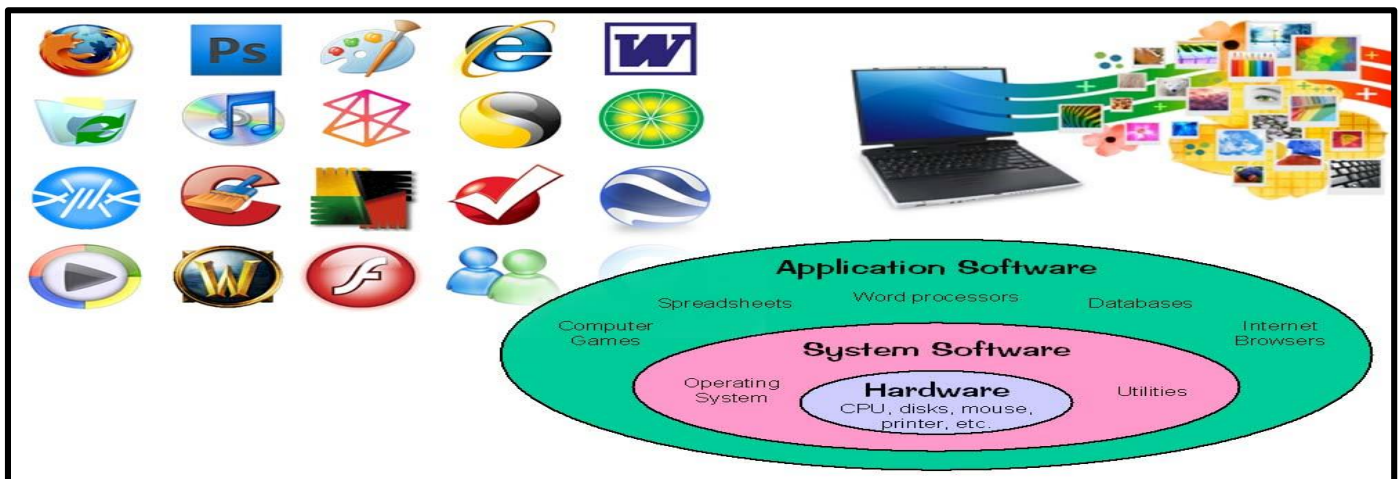
Part II

Answer **one** item from this part.

Item 4,

Today in your ICT lesson you been grouped into five groups; A B C D and E and your ICT teacher Ms. Nakamanyisa Esther introduces today's topic "*Basic software management.*" She has instructed each group to conduct a constructive discussion and thereafter each group will present their findings. Group A presenter told the class members that software is just like fuel in a car without it the car cannot move, group B presenter said software has only one type and that is application software like WhatsApp business. Group C presenter told class members that the most important software is actually operating system. Group D presenter said he made research and observed that there are those programs the manufacturer attaches to a piece of a hardware component, he said such instructions are called firmware. It is now your turn to present to the class to represent group E.

Support material



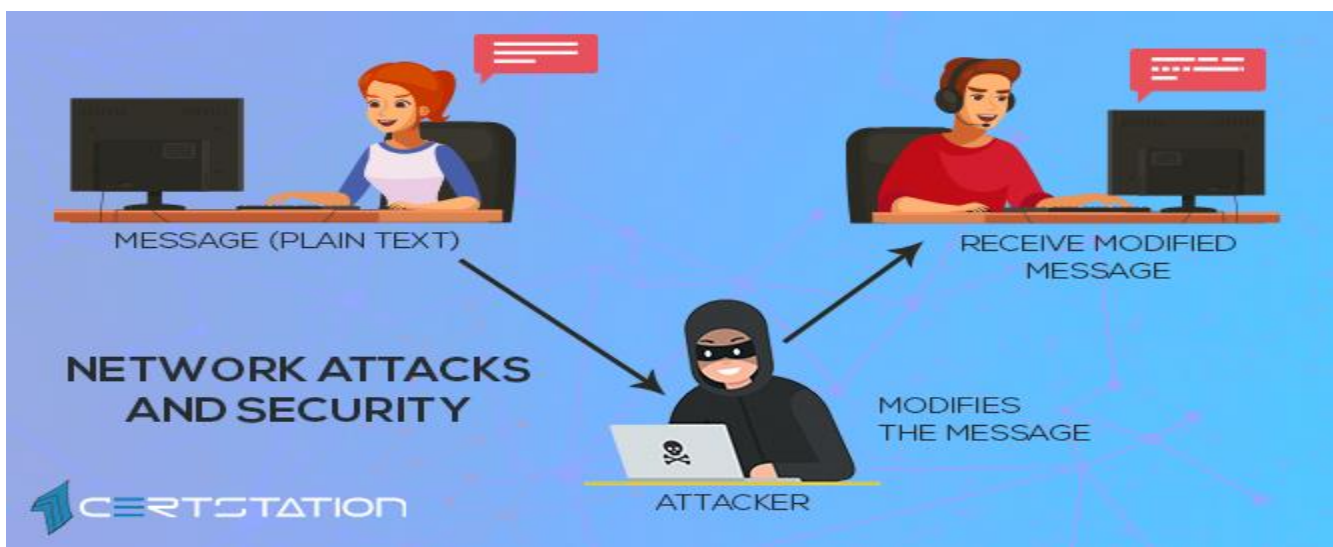
Task

- (i) Present to the class the various categories of computer software
- (ii) Support group C presenter, by explaining to your classmates the different functions of operating system

Item 5

The New Lower Secondary Curriculum has come to stay forever, it came with an ingredient of integrating ICT almost in all the other disciplines. This made many academic institutions to upgrade their computer labs to include networks and internet access. the learners are excited about the technological innovation as they access information from any point of the world, some information sites are dangerous as they contain misleading information, others contain online commen, this puts the school network at a risk of; data loss, invasion of viruses, data theft and others.

Support material



Task

- (i) Guide learners about secure computer systems against network attacks and viruses.
- (ii) Develop a checklist of ethical practices that should be followed while using ICTs

END