

840/1
INFORMATION AND
COMMUNICATIONS
TECHNOLOGY (ICT)
Paper 1
October 2024
2¼ hours



KABS' ICT RESOURCES CENTER

Uganda Certificate of Education

INFORMATION AND COMMUNICATIONS TECHNOLOGY

Paper 1

Theory

2 hour 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.*

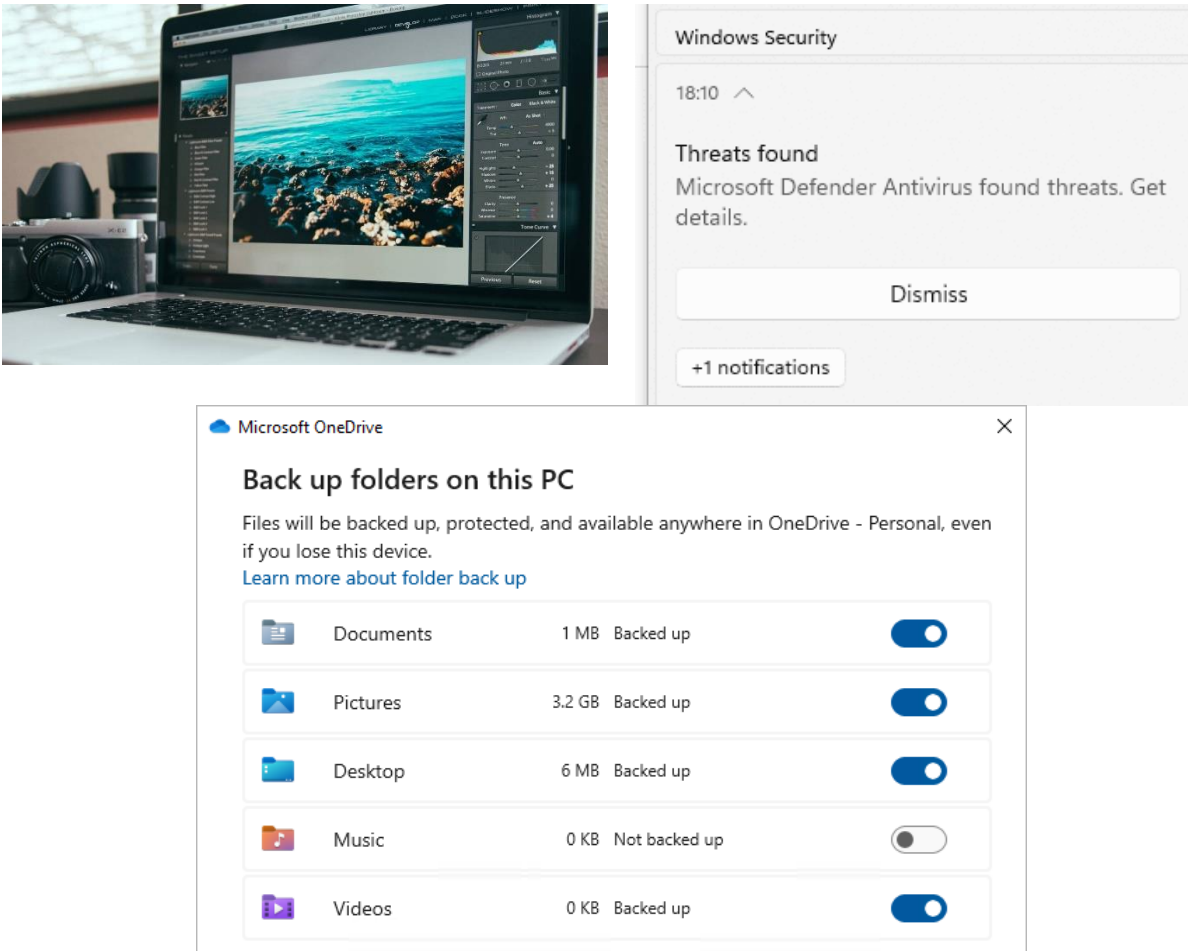
*Any additional item(s) answered will **not** be scored.*

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

SECTION A

Item 1:

Jamal runs a small photography business. He has basic knowledge of computers and uses his desktop computer to edit and store photos for clients. Recently, his computer started slowing down, and he worries about losing his clients' photos. He needs advice on how to speed up his computer, properly store his files, and keep his system secure from viruses and malware.



Task:

- Advise Jamal on how to improve his computer's performance for editing photos, focusing on system maintenance.
- Recommend methods for securely storing his clients' photos and keeping his system safe from potential threats.

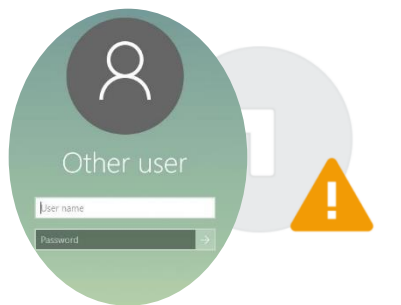
SECTION B

PART I

Answer **one** item from this part.

Item 2:

A primary school wants to provide public access to computers so that visitors can browse the internet, send emails, and access educational materials. The school administrator is concerned about the security of the computers and how to prevent unauthorized access to sensitive data. She needs guidance on setting up the system to ensure public safety and maintain the computers.



Access Denied

You do not have access to this application.

Please contact your administrator.

CONTINUE

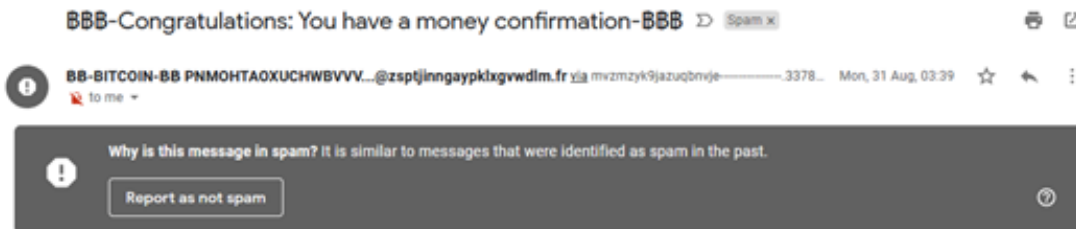
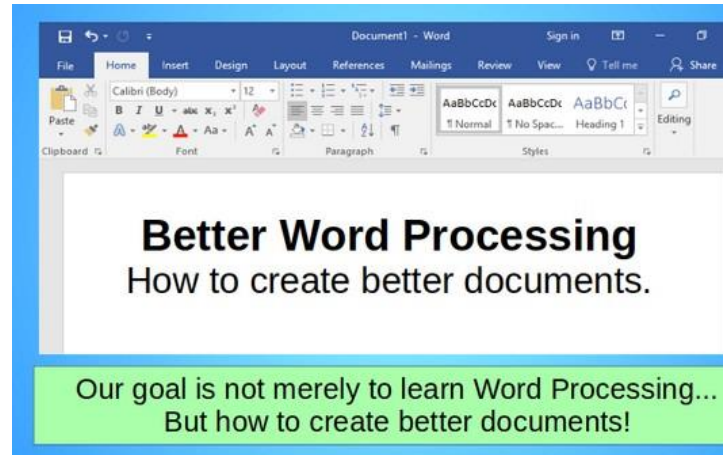


Task:

- Advise the school administrator on how to set up the computers for public access, focusing on restricting unauthorized access.
- Recommend security measures that will help protect the computers from viruses, malware, and data breaches.

Item 3:

A community center wants to start a computer literacy program for seniors. The program will cover basic skills like browsing the internet, sending emails, and using word processors. However, the seniors have very little experience with computers, and the instructors need guidance on how to simplify lessons for beginners and protect students from common online threats like phishing.



Bitcoin

You have received € 16 345,24 in your account (Bitcoin)

Confirmation Is Required

Task:

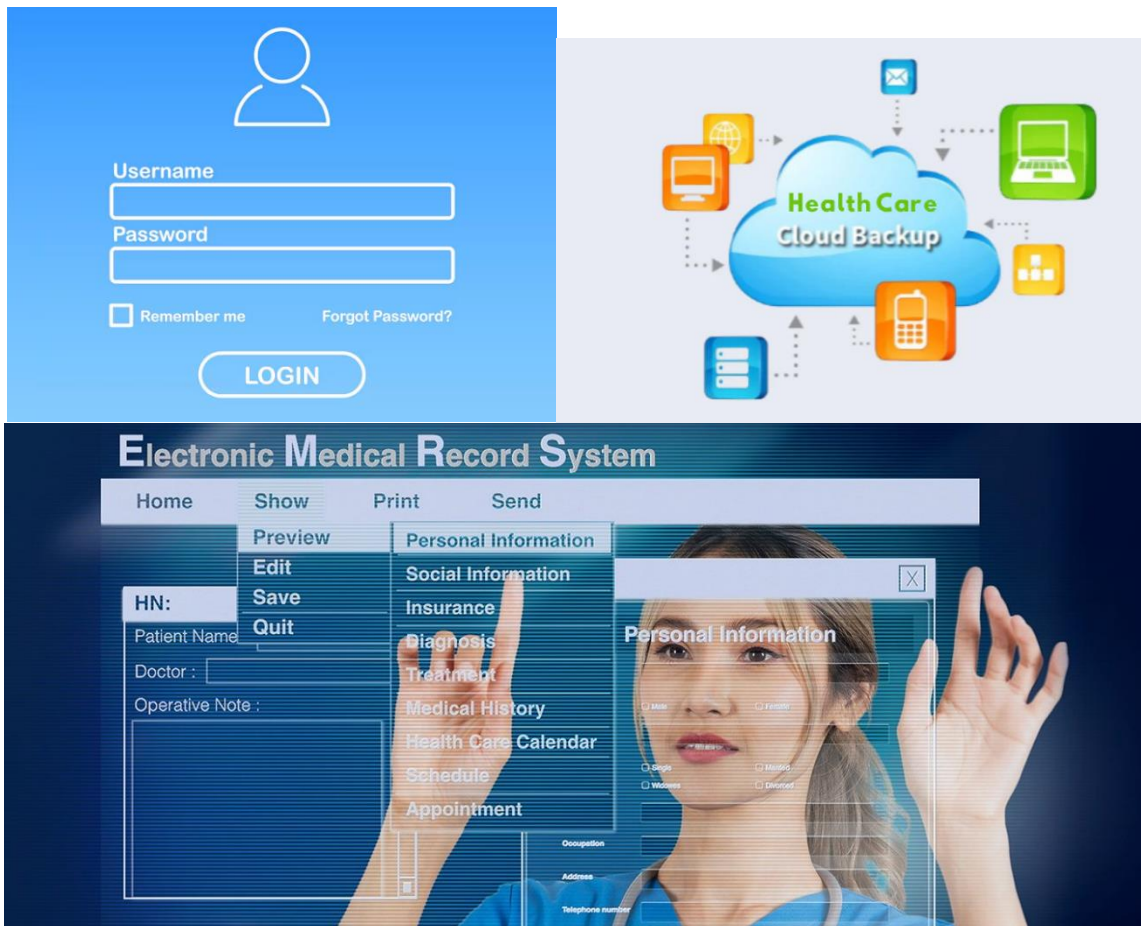
Provide recommendations on how to simplify lessons for seniors in a computer literacy program and explain how to teach them about online safety.

Part II

Answer **one** item from this part

Item 4:

A local hospital is upgrading its patient management system to store patient records digitally. The IT team is tasked with setting up secure access to the records, ensuring data is backed up regularly, and training hospital staff on how to use the system. The hospital needs guidance on setting up the system and ensuring compliance with data protection laws.

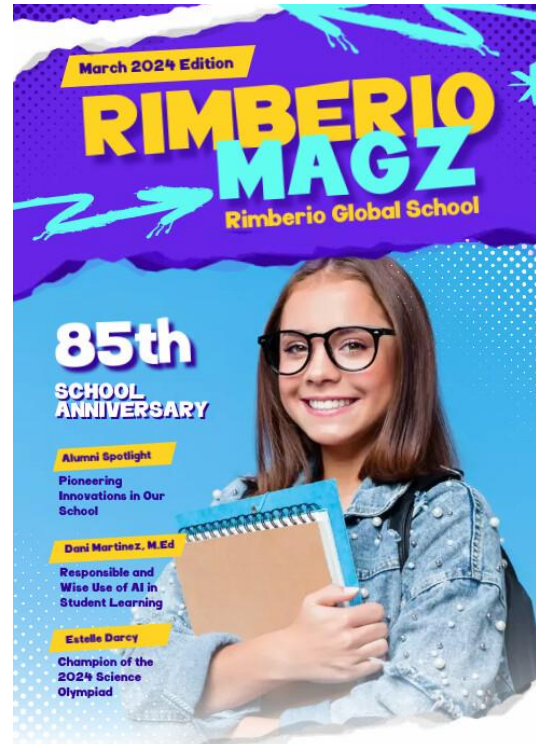


Task:

Provide recommendations on securely setting up the patient management system and ensuring compliance with data protection laws.

Item 5:

A small school wants to create a **digital magazine** that includes student articles, school event highlights, and multimedia elements like photos and videos. The magazine will be stored on **Compact Discs (CD-R)** for distribution to students, and those with email addresses will receive a digital copy via email. The school staff is unfamiliar with integrating text, photos, and videos into a single interactive magazine and needs guidance on how to organize and distribute it.



Task:

Provide guidance on how the school can create a digital magazine, combining text, photos, and videos, and distributing it both on **CD-R** and via email.

END