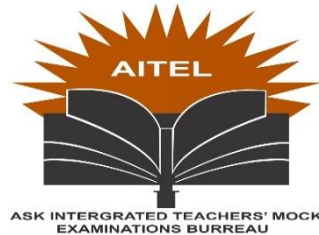


STUDENTS NAME:

SCHOOL NAME: RANDOM NUMBER

S850/1
SUBSIDIARY ICT
(Theory)
Paper 1
July/Aug. 2022
2 hrs 40 mins.



AITEL JOINT MOCK EXAMINATIONS

Uganda Advanced Certificate of Education

SUBSIDIARY ICT

(THEORY)

Paper 1

2 Hours 40 Minutes

INSTRUCTIONS TO CANDIDATES:

*Answer **all** questions in the paper.*

No additional answer sheets shall be provided.

1. a. State three reasons why the ministry of education introduced ICT in schools (3 Marks)

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b. What are two hindrances to their objectives? (2 Marks)

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2.a. What are the applications of ICT in the following sectors? (3 Marks)

(i) Business

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(ii) Transport

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(iii) Education

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b. State two reasons why the existence of ICT is a curse in your society? (2 Marks)

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3.a. Explain two types of booting computer. (2 Marks)

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b.State three reasons for restarting a computer.

(3 Marks)

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4. Ssembatya was told to format a flash disk in windows-based operating system. He instead formatted a hard disk by mistake.

a. Explain the term “formatting a disk”

(2 Marks)

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b.State three situations when the computer user will be required to format a disk.

(3 Marks)

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5.a.Why are the CCTV cameras essential to the computer laboratory?

(2 Marks)

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b. As an ICT student, state three ways how are you are maintaining a functional computer laboratory

(3 Marks)

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6. Given the file path **C:\Downloads\Workshop\Members\Manager\Patrick.gif** identify the following; (5 Marks)

(i) State the primary folder:

.....

(ii) File name :

.....

(iii) File type:

.....

(iv) Profile:

.....

(v) Folder:

.....

7.a. Illustrate the information processing cycle (3 Marks)

b. Give one function of each of the following components of the computer central processing unit. (2 Marks)

(i) Buffer

.....

.....

(ii) The arithmetic logic unit (ALU)

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8.a. Define the following terms. (2 Marks)

(i) Operating software

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(ii) Bespoke software

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b. Peter planning to buy a new computer, what are the three factors he should consider to while purchasing the software for his computer?

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9. Indicate true or false against each statement in the table below.

Statement.	True or False
Backup is the combination of two or more or more files to produce one output file.	
Users issue commands in form of text in a command line interface.	
Open source software is copyrighted and distributed without costs for trial period.	
Programming software interfaces user application and computer hardware.	
SMTP is responsible for keeping a log of sent mails.	

10.a. Define the following terms in internet.

(3 Marks)

(i) Hyper link

.....

.....

(ii) Web Server

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(iii) Web browser

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b. John wants to connect his laptop to the internet. Identify two additional items he would need to buy to fulfill his objective. (2 Marks)

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11.a. Explain the functions of the following words as used in word processor application

(i) Tool bar

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(ii) Mail merge

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(iii) Endnote

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b. State two reasons why the word processor is preferred compared to the traditional methods of data processing? (2 marks)

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12.a. What are the peripheral devices? (2 Marks)

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b. What is the advantage of having an LCD output device? (1 Mark)

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c. Explain the effects of magnetic fields in the computer system? (2 Marks)

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13.a. Briefly explain the following terms associated with database. (2 Marks)

(i) Normalizing.

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(ii) Validation Rule

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b. Study the database shown below to answer the questions. (3 Marks)

Name of student	Marks scored in ICT	Score status Pass or fail.
Nakimuli Annet	62	Yes
Atai Adrine	43	No
Opelin Ritah	71	Yes
Ajuna Mark.	38	No
Lwanga Enoch.	57	Yes

(i) Which field in the table above store Boolean data type

.....

(ii) Give a reason why Boolean data type is used?

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.....

(iii)Suggest one other data type used in the database above?

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14. Give the uses of the following input devices (5 Marks)

Name	Use
Bar code reader	
OCR	
Iris Recognition	
Chip reader	
MICR	

15.a. Give two circumstances under which the electronic presentation is needed? (2 Marks)

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b. State the uses of the following terms as used in electronic presentation (3Marks)

(i) Slide master

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(ii) Animation

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(iii) Slide sort

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16. State the functions of the following network devices (5 Marks)

(i) Repeater

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(ii) Firewall

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(iii) Multiplex

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(iv) Hub

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(v) Bandwidth

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17.a. What is programming language?

(2 Marks)

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b. Define the following term as used in programming.

(3 Marks)

(i) Debugging

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(ii) Syntax

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(iii) Compiler

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18.a. Explain how the following viruses affect the computer system.(2 Marks)

(i) Trojan horse

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(ii) Boot Sector Viruses.

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b. As an ICT student, state three ways how you can know that your computer has been attacked by a virus.

(3 Marks)

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19.a. Define the term Green Computing?

(2 Marks)

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b. Outline any three practices of green computing.

(3 Marks)

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20.a. Differentiate the following terms as used in information security

(2 Marks)

(i) Hackers and cracker

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(ii) Spoofing and phishing

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b. State three ways how you can safeguard the above information threats

(3 Marks)

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END